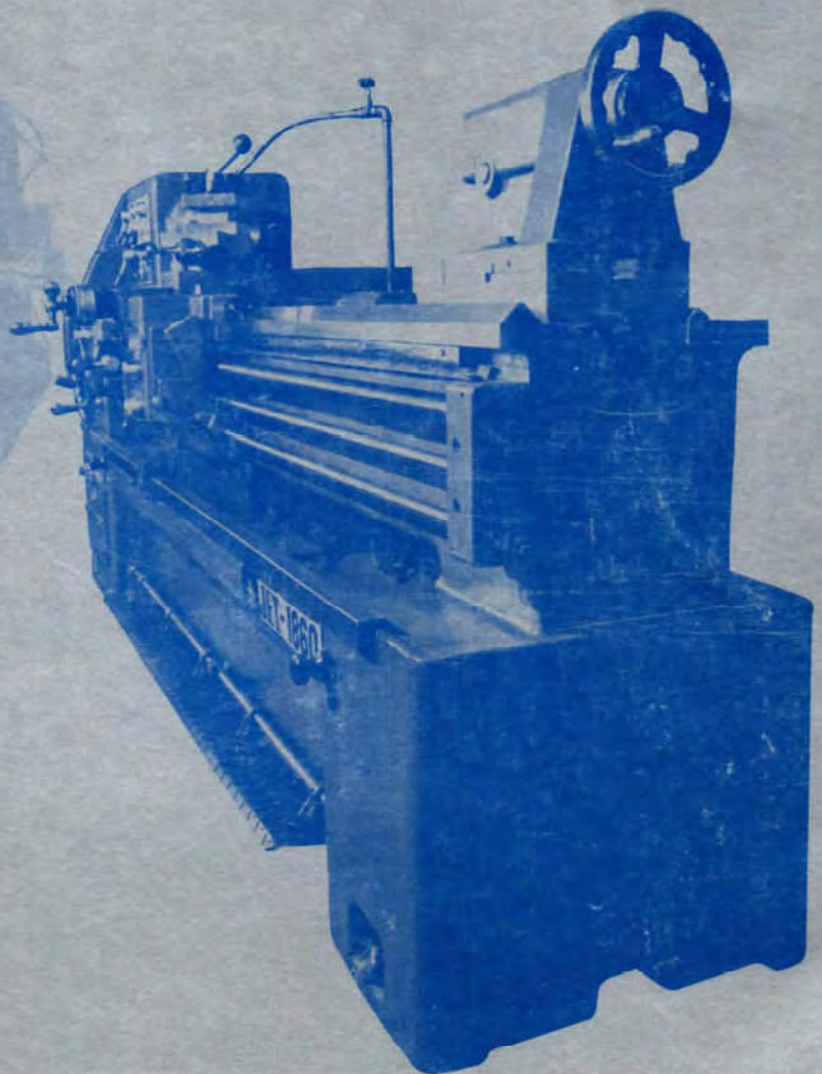


JET MACHINERY



JET Machinery

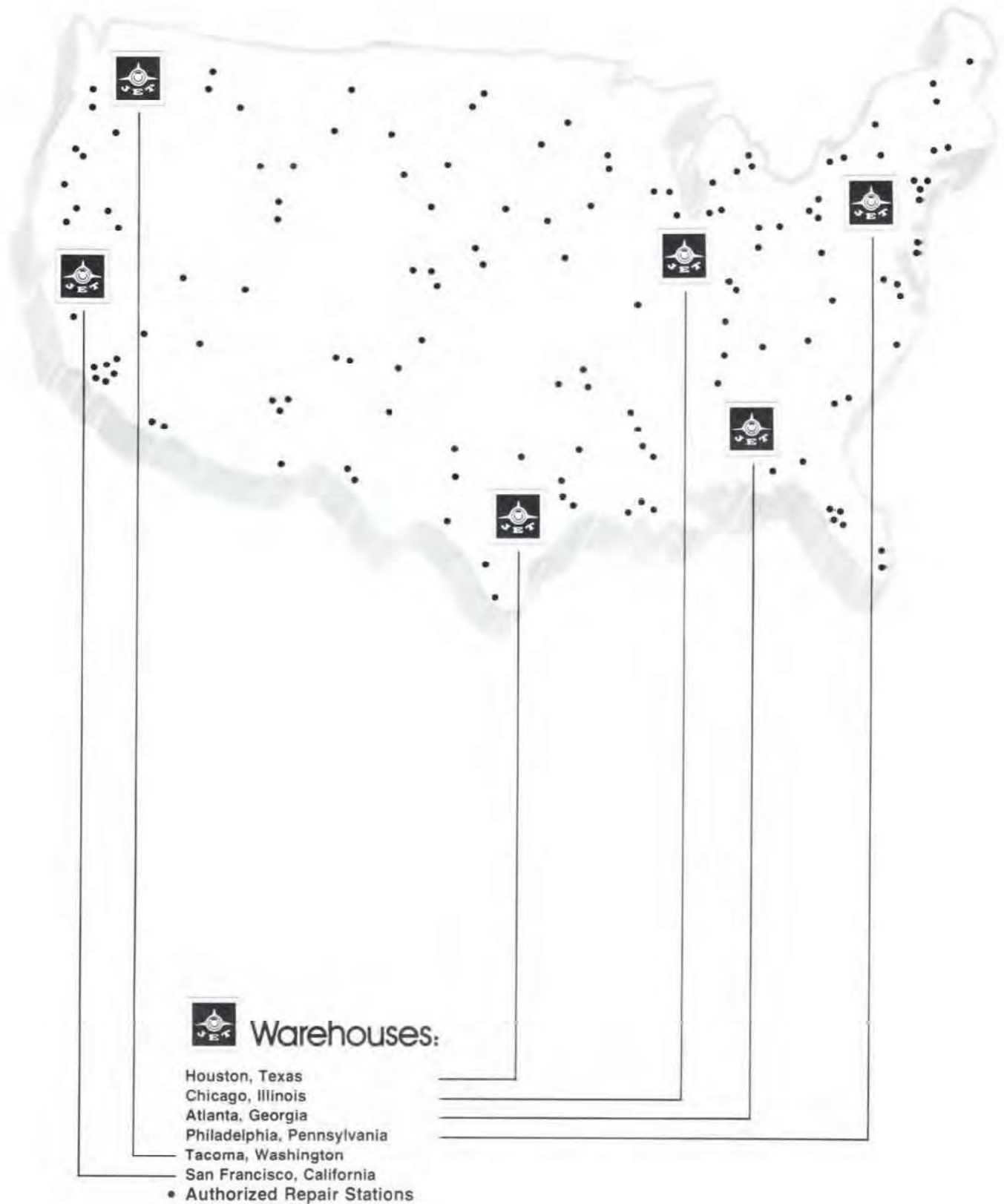
To win a place in the expanded JET Machinery line, a product must prove itself durable, dependable, accurate and safe. This criteria has produced a line of machinery which contains some of the finest machine tools available today . . . regardless of price.

You'll find JET Machinery in major industrial plants and small assembly lines. They are recognized by the experts who buy and use them as excellent values, easy to operate and maintain.

And, JET Machine Tool Accessories have helped many shops modernize their operations without stretching their budgets.

It makes good sense to check the JET Machinery line whenever you need a new piece of equipment.

JET Warehouses and Service Stations



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Parts and Service

From the smallest washer to a massive radial drill press column you can count on JET's Parts and Service department wherever you live in the United States.

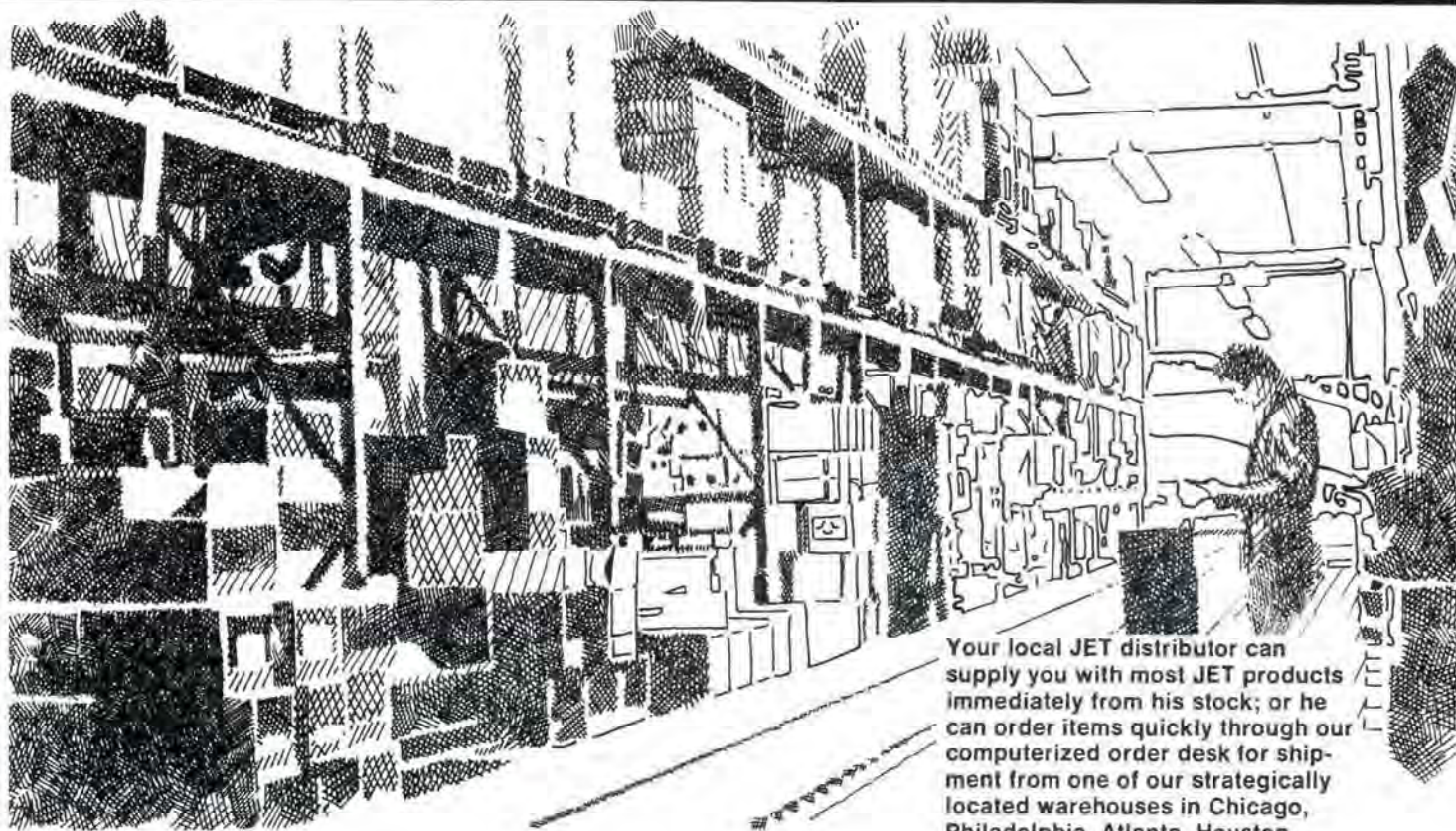
In fact, we still maintain parts stock for each and every JET product sold since 1958 as well as making sure parts are readily available for everything in our current product line. In an area occupying more than 15,000 square feet, JET probably has more invested in parts alone than many other manufacturers have in their entire product inventory.

Our qualified parts staff can select the part you need swiftly. They can also give you an assist with the technical know-how you may need to keep your equipment in top operating condition.

We also back every JET distributor with authorized after-service stations across the country. You can rely on these competent technicians who meet our high standards for service and safety before receiving authorization to put our JET name on the door.



JET Distributes Nationally



Your local JET distributor can supply you with most JET products immediately from his stock; or he can order items quickly through our computerized order desk for shipment from one of our strategically located warehouses in Chicago, Philadelphia, Atlanta, Houston, San Francisco or Tacoma.

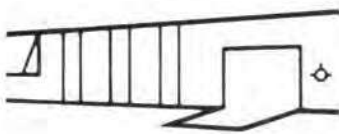
Day-to-day personal contact is maintained by JET's seventy-three regional sales representatives with over six thousand selected distributors and dealers in all fifty states. In addition, our experienced JET personnel, located in each of our six warehouses, strive to provide easy access to JET's full line of quality products wherever you live in the United States.

In fact, JET Equipment & Tools maintains literally millions of dollars of inventory to completely stock each warehouse in-depth so the products you order can be shipped efficiently and swiftly from the warehouse closest to your distributor. In rare instances when demand exceeds supply in any warehouse, our on-line computer inventory system pinpoints the closest available stock within seconds and the order is on its way.

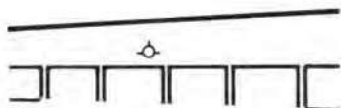
In short, every effort is made to assure that every JET distributor and end user customer is given the best possible service. That's a promise. We work hard to make good on it every day of the year.



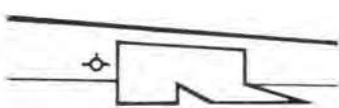
Tacoma, Washington



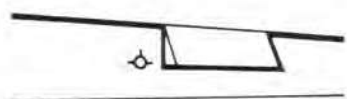
Chicago, Illinois



Atlanta, Georgia



Houston, Texas

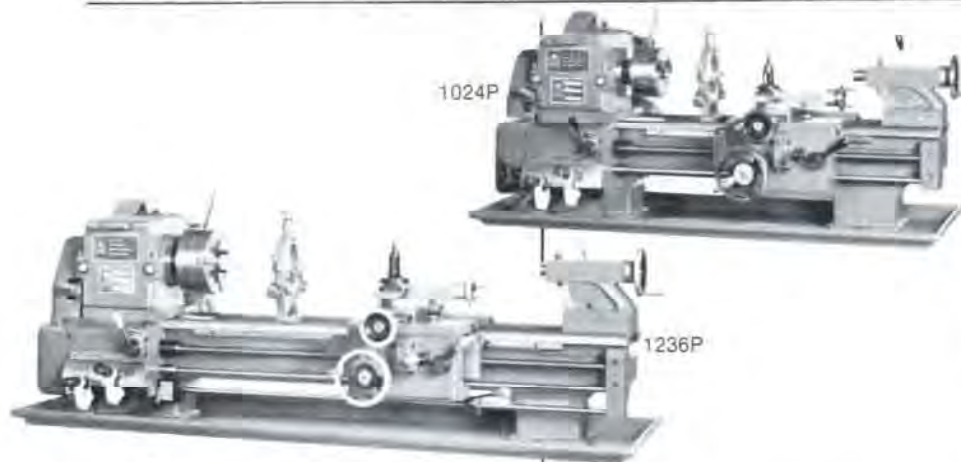


Philadelphia, Pennsylvania



San Francisco, California

JET-1024P & 1236P Belt Drive Bench Lathes



JET 10" and 12" Bench Lathes feature quality and precision unavailable on other makes of bench lathes in the same price category. Both are like any top quality production lathe — only smaller — and are designed for use by professionals. Yet they are reasonably priced and easily affordable by any home shop enthusiast who appreciates working with a top quality machine tool.

Headstock and Main Spindle

Heavy main spindle is well supported with precision tapered roller bearings. Gears are helical, not straight, for long wear and quiet operation. Back gear is extra heavy duty and easy to engage. Visual oil level gauges, usually found only on larger machines, make checking oil levels easy. Headstock lid features a

convenient built-in tool tray. Drive belts are guarded in compliance with OSHA regulations.

Bed and Bedways

Instead of flatways usually found on lathes of this size, JET's Bench Lathes feature two V-ways and two flatways for precision accuracy. Plus, ways are induction hardened and precision ground — an expensive option on other bench lathes. Bedway wipers are standard equipment. The bed itself is made from high tensile cast iron for sturdy support. The full length chip pan is standard.

Other Features

JET Bench Lathes come equipped with a powerful 1 HP, single phase, capacitor start motor and a convenient reversing switch. Quick

change gear-box provides for a wide range of thread cutting in both inch and metric. Automatic feeding and threading are fully interlocked. Lead screw and feed bar are independent. And, adjustable gibs are incorporated in saddle and slides.

Standard Accessories

The JET 1024P and 1236P include the following accessories at no extra cost. 1 HP, single phase motor. 6" 3-jaw universal chuck. Steady rest. Metric change gears. Face plate. Back plates. Centers. Center sleeve. Single tool post. Tool post wrench. Threading dial. Bedway wipers. V belts. Chip pan. Motor pulley. Motor supporting base. Tool box and tools.

Optional Accessories (1024P)

The following accessories are available at extra cost: 6" 4-jaw independent lathe chuck with threaded backplate. Plain semi-finished backplate threaded to fit spindle but not drilled. Follow rest. 1/8 HP coolant pump with 3 gal./min. flow rate. Hydraulic copy attachment. Stand.

Optional Accessories (1236P)

The following accessories are available at extra cost: 8" 4-jaw independent chuck. Follow rest. Coolant pump. Stand.

Model: 1024P Stock No. 321375

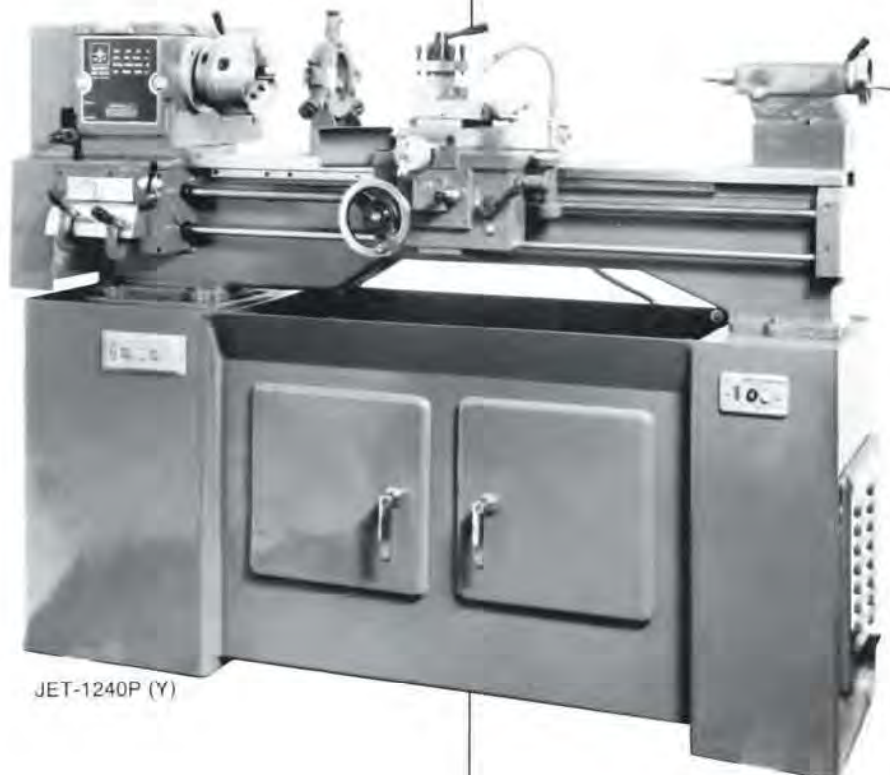
Swing Over Bed	10"	Compound Rest Travel	4 3/4"	Lead Screw Diameter	3/4"
Swing Over Saddle	5"	Max. Size Cutting Tool	5 1/2" x 3/8"	Inch Thread Cutting Range	4-112 (40 kinds)
Distance Between Centers	24"	Tailstock Spindle Diameter	1 1/4"	Metric Thread Cutting Range	0.35-6 (24 kinds)
Main Spindle Bore	1-1/16"	Tailstock Spindle Travel	4"	Range of Longitudinal Feed	.004-.119 in./rev.
Taper of Spindle Bore	MT #4	Taper of Tailstock Center	MT #2	Range of Cross Feed	.0016-.04 in./rev.
Taper of Center	MT #2	Bed Length	44 3/8"	Main Drive Motor	1 HP, Sgl. Ph., 115/230V (Prewired 115V)
Spindle Speeds	12	Bed Width	7 1/4"	Floor Space	52"x27"
Range of Spindle Speeds (RPM)	75-1100	Bed Height	10"	Net Weight lbs. (approx.)	570
Carriage Travel	18"	Lead Screw	8 TPI	Ship Weight lbs. (approx.)	780
Cross Slide Travel	6"				

Model: JET-1236P Stock No. 321336

Swing Over Bed	12"	Cross Slide Travel	6"	Metric Thread Cutting Range	0.5 - 7.5 (36 kinds)
Swing Over Cross Slide	7"	Compound Travel	3"	Lead Screw Dia. and Pitch	3/4"x8 TPI
Distance Between Centers	36"	Length of Bed	56 1/2"	Diameter of Feed Shaft	5/8"
Height of Centers	6"	Length of Bedways	47"	Motor	1 HP, Sgl. Ph., 115/230V (Prewired 115V)
Hole Through Spindle	1 1/2"	Width of Bed	7 1/4"	Overall Length	61"
Taper of Spindle	MT #4	Number of Spindle Speeds	12	Overall Width	31 3/4"
Spindle Sleeve	MT #4 - MT #2	Range of Spindle Speeds	50-1,000 RPM	Overall Height	24 1/2"
Carriage Travel	30"	Inch Thread Cutting Range	4-112 (40 kinds)	Net Weight lbs. (approx.)	800
				Ship Weight lbs. (approx.)	1050



JET-1240P (Y) Belt Drive Engine Lathe



JET-1240P (Y)

Equipment Included As Standard:

2 HP Motor
Floor Stand
6" 3-Jaw Lathe Chuck
Steady Rest
Metric Change Gears
10" Faceplate
Coolant Pump
Center Sleeve
Centers (2)
Tool Box with
Necessary Tools

Features:

- Heavy-duty, belt drive engine lathe
- Powerful 2 HP motor
- Ideal for production shop, vocational school, tool room or automotive machine shop
- 12 spindle speeds with a range of 60 to 1250 RPM's
- Single phase electric make the 1240P (Y) Engine Lathe adaptable to any shop
- 40 kinds of threads in inches, 34 kinds of metric threads

The JET-1240P is a precision belt drive 12" x 40" lathe driven by a powerful 2 HP motor. Use it in the production shop, school, tool room or automotive machine shop. Excellent for the gunsmith, pattern maker, prototype engineer and inventor.

SPECIFICATIONS:

Stock No.	321341
Swing Over Bed:	13"
Swing Over	
Cross Slide:	4 5/8"
Swing Over Gap:	18"
Length of Gap:	7"
Distance	
Between Centers:	40"
Hole Through	
Spindle:	1 1/2"
Spindle Nose:	1 1/2" x 8 TPI
Taper of	
Spindle Bore:	MT #5
Taper of Center:	MT #3
Number of	
Spindle Speeds:	12
Range of Spindle	
Speeds (RPM):	60-1250
Range of	
Longitudinal Feed	
(inch/rev.):	0.0018-0.1005
Range of	
Cross Feed	
(inch/rev.):	0.0018-0.1005
Travel of	
Cross Slide:	7 1/4"
Travel of	
Compound Rest:	2 3/4"
Lead Screw:	1" x 8 TPI
Thread Range	
Inch:	4-112 TPI (40 kinds)
Thread Range	
Metric:	0.025-6mm (34 kinds)
Diameter of	
Tailstock Spindle:	1 1/4"
Tailstock Spindle	
Travel:	4 1/2"
Width of Bed:	7 3/8"
Length of Bed:	51 1/2"
Motor:	2 HP
	Single Ph.
	115/230V
	(Prewired
	115V)
Net Weight	
lbs. (approx.):	1210
Ship Weight	
lbs. (approx.):	1342

JET-1240P (D) Geared Head Engine Lathe



JET-1240P(D)

SPECIFICATIONS:

Stock No.	321342
Swing Over Bed:	12"
Swing Over Cross Slide:	7"
Swing Over Gap:	18½"
Length of Gap in Front of Faceplate:	6½"
Distance Between Centers:	40"
Hole Through Spindle:	1⅜"
Spindle Nose:	D1-4 Camlock
Taper of Spindle Bore:	MT #5
Taper of Center:	MT #3
Number of Spindle Speeds:	8
Range of Spindle Speeds (RPM):	75-1225
Range of Longitudinal Feed (inch/rev.):	0.0013-0.0094
Range of Cross Feed (inch/rev.):	0.0005-0.0035
Travel of Cross Slide:	7½"
Travel of Compound Rest:	3¾"
Standard Tool Size:	¾"
Lead Screw:	⅞" x 8 TPI
Thread Range Inch:	4-112 TPI (40 kinds)
Thread Range Metric:	0.225-7.5mm (20 kinds)
Diameter of Tailstock Spindle:	1½"
Tailstock Spindle Travel:	3⅞"
Taper of Tailstock Center:	MT #3
Width of Bed:	7½"
Length of Bed:	53"
Motor:	2 HP, 3 Ph. 220/440V (Prewired 220V)
Net Weight lbs. (approx.):	1452
Ship Weight lbs. (approx.):	1760

Features:

- Bedways are induction hardened and precision ground
- Heavy main spindle is supported by precision tapered roller bearings
- Headstock gears are hardened and ground
- Spindle nose features a D1-4 Camlock for rapid chuck mounting and dismounting
- The quick change gear box features a complete range of threading and feeding
- Gear box has high tensile alloy steel gears and shafts throughout
- The gear box has anti-friction bearings on all shafts
- The apron is double wall type with each shaft having two-bearing support
- Automatic threading and feeding are fully interlocked

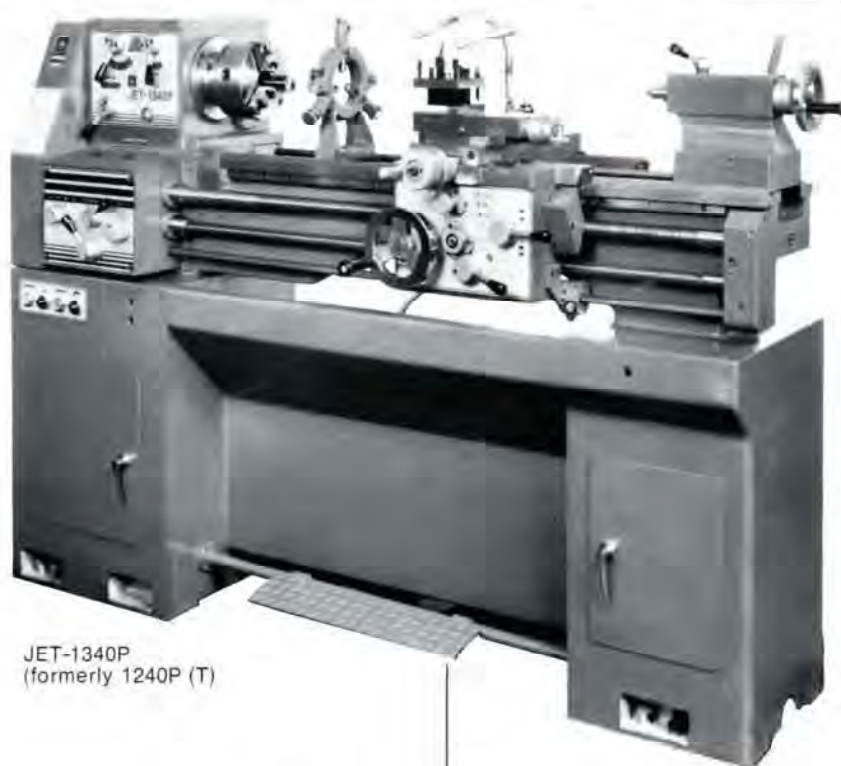
JET-1240P (D)

Equipment Included As Standard:

2 HP Motor
6" 3-Jaw Lathe Chuck
10" Faceplate
Steady Rest
Follow Rest
Full Length Splash Guard
Inch/Metric Dials
Steel Stand
Center Sleeve
Centers (2)
Threading Dial
Tool Box with Necessary Tools



JET-1340P Geared Head Engine Lathe



JET-1340P
(formerly 1240P (T))

Headstock and Spindle

Heavy main spindle is supported by precision tapered roller bearings. Hole through spindle is $1\frac{3}{8}$ " and can accommodate 5C collets. And, the spindle nose features a D1-4 Camlock for rapid chuck mounting and dismounting. The helical headstock gears are made from high tensile steel and are carefully hardened and ground. Variable speed controls are convenient and easy to operate.

Bed and Bedways

Saddle and tailstock each ride on a "V" and flat way. Bedways are induction hardened and precision ground from high tensile cast iron. And, a $9\frac{1}{2}$ " gap is provided for large diameter and abstract shaped work pieces. The heavy steel stand is standard equipment, and includes a collet rack.

Gear Box

The overload protected quick change gear box features a complete range of threading and feeding. 40 kinds of English threads are provided, and 24 metric threads can be cut by using the metric change gears furnished as standard equipment with the lathe.

Apron and Saddle

The apron is designed for maximum convenience and safety. Automatic feeding and threading are fully interlocked. Threading dial is furnished as standard equipment. Both traverse screws are fitted with micrometer collars graduated in .001". And, slide locking clamps and easily operated strip adjusters are incorporated in saddle and slides. A 4-way tool post and bedway wipers are standard.

Standard Accessories

The JET-1340P includes the following accessories at no extra cost: 3 HP, sgl. phase motor. 6" 3-jaw universal chuck. Steady rest. Face plate. Coolant pump. Centers (MT #3). Center sleeve (MT #5-#3). Tool box and tools. Gun oiler. Metric change gears. Tool post wrench. Threading dial. V-belts. Back plates. Bedway wipers. Steel stand with chip and coolant tray. Motor pulley. Motor supporting base. Instruction and spare parts manual.

Optional Accessories

The following accessories are available at extra cost: 8" 4-jaw independent chuck. Follow rest.

SPECIFICATIONS:

Stock No.	321340
Swing Over Bed:	13"
Swing Over Gap:	20"
Swing Over Cross Slide:	$6\frac{7}{8}$ "
Distance Between Centers:	40"
Type of Spindle Nose:	D1-4 Camlock
Main Spindle Bore:	$1\frac{3}{8}$ "
Taper of Spindle Bore:	MT #5
Taper of Center:	MT #3
Number of Spindle Speeds:	8
Range of Spindle Speeds (RPM):	90-1800
Carriage Travel:	30"
Cross Slide Travel:	$6\frac{1}{4}$ "
Compound Rest Travel:	5"
Max. Size Cutting Tool:	1"x1"
Tailstock Spindle Diameter:	$1\frac{5}{8}$ "
Tailstock Spindle Travel:	4"
Taper of Tailstock Center:	MT #3
Bed Length:	65"
Bed Width:	8"
Bed Height:	9"
Lead Screw:	$1\frac{1}{4}$ " x 4 TPI
English Thread Cutting:	4-112 TPI (40 kinds)
Metric Thread Cutting:	0.35-6mm/pitch (24 kinds)
Range of Longitudinal Feed:	0.004-0.130 in./rev.
Range of Cross Feed:	0.001-0.043 in./rev.
Main Drive Motor:	3 HP Sgl. Ph. # 220V
Coolant Pump Motor:	$\frac{1}{8}$ HP
Floor Dimension:	69"x17 $\frac{3}{4}$ "
Net Weight lbs. (approx.):	1220
Ship. Weight lbs. (approx.):	1540

JET-1430 Engine Lathe



JET-1430

Whether used in tool room, automotive shop, plant or garage, you'll find the JET-1430 to be both accurate and dependable. Simple design, modern appearance and popular features are combined with rugged construction. Its low price makes it perfect for small shops and hobbyists, yet its sophisticated features mean it can easily handle most production work.

Bed

The bed of the JET-1430 is supported by a rigid, box-type base with built-in chip pan. Removable panels on the base make access to electricals and motor easy. Bed is made of close grained, seasoned castings, and "V" and flat ways are hardened and ground to close tolerance.

Headstock

The oversized main spindle of the 1430 is supported by two top quality, heavy-duty tapered roller bearings plus an oversized ball bearing. Positive gears are close meshed to provide maximum torque and smooth, quiet operation, and a wide range of spindle speeds permit diversified work. Three large V-belts transmit power from the heavy duty 2 HP motor to the headstock.

Feeding and Threading

The easy-to-operate gearbox provides positive transmission to the apron, and the close meshed gears are made of top grade steel for long wear and quiet running. The wide range of feeds and threads permits both inch and metric threading and the gearbox requires little or no maintenance other than routine lubrication. Independent lead screw and feed rod deter unnecessary use of either, and the two forward, reverse and neutral position control levers are equipped with spring loaded lock-out to prevent inadvertent starting of the machine.

Carriage

The H-type carriage is equipped with a sturdy four-way turret type tool post. The flat surfaced cross slide provides for the addition of extra tooling, and the easy-to-read dials are equipped with inch graduated micrometer collars.

Tailstock

The rugged two-piece tailstock is adjustable for taper turning and is equipped with a smooth operating quill and a positive clamp-down mechanism.

Standard Accessories

The JET-1430's low price includes: 7" 3-jaw chuck, 10" 4-jaw chuck, center rest, follow rest, 2 HP, 220V, 3 phase motor and centers. Taper attachment optional.

SPECIFICATIONS:

Stock No.:	321330
Swing Over Bedways:	14"
Swing Through Removable Gap:	23"
Size of Gap:	7½" x 4½"
Swing Over Cross Slide:	8"
Distance Between Centers:	30"
Length of Bed:	60"
Width of Bed:	11½"
Length of Saddle on Bedways:	14½"
Spindle Nose:	A1-5
Spindle Bearings:	Taper, Roller & Ball
Spindle Bore and Taper:	1-9/16"-MT #5
Spindle Sleeve:	MT #5-MT #3
Number of Spindle Speeds:	8
Range of Spindle Speeds:	70-1050
Number of Longitudinal and Cross Feeds:	32
Longitudinal Feed Range:	.003-.01
Cross Feed Range:	.003-.01
Number of Metric Threads:	40
Range of Metric Threads:	.25-5
Number of Inch Threads:	40
Range of Inch Threads:	2-56
Taper in Spindle:	MT #3
Quill Travel:	5½"
Quill Diameter:	1.580"
Main Drive Motor:	2 HP 220V 3 Phase
Net Weight lbs. (approx.):	2100
Ship Weight lbs. (approx.):	2300



JET-1440 (D) & 1440 (S) Engine Lathes



JET-1440(S)



JET-1440(D)

JET-1440 Engine Lathes

Our new additions to the mid-size range of engine lathes offer distinctive production features that let you custom select the right engine lathe for your needs.

Rugged bases have all the heft required for stability and rigidity to produce vibration free conditions for the most exacting and precise work. Each lathe features heavy duty geared heads with spindles

mounted on tapered roller bearings. All gears and shafts are hardened and ground. Cross lead screws have backlash eliminators. And a totally enclosed oil bath adds to smoothness of operation and long life. You also get a wide range of both Metric and English threads.

Bedways are hardened and ground. Four-way tool posts are standard.

JET-1440(D)

Standard Accessories

3 HP Motor
7" 3-Jaw Lathe Chuck
10" 4-Jaw Lathe Chuck
12" Faceplate
Drive Plate
Coolant System
Steady Rest
Follow Rest
4-Way Tool Post
Full Length Splash Guard
Foot Brake
Micrometer Carriage Stop
Inch/Metric Dials
Centers (2)
Threading Dial
Tool Box with Necessary Tools
Instruction Manual

JET-1440(S)

Standard Accessories

3 HP Motor
7" 3-Jaw Universal Lathe Chuck
10" 4-Jaw Independent Lathe Chuck
13" Faceplate
Drive Plate
Steady Rest
Follow Rest
Coolant System
4-Way Tool Post
Center
Center Sleeve
Tool Box with Necessary Tools
Instruction Manual

Model: JET-1440(S)

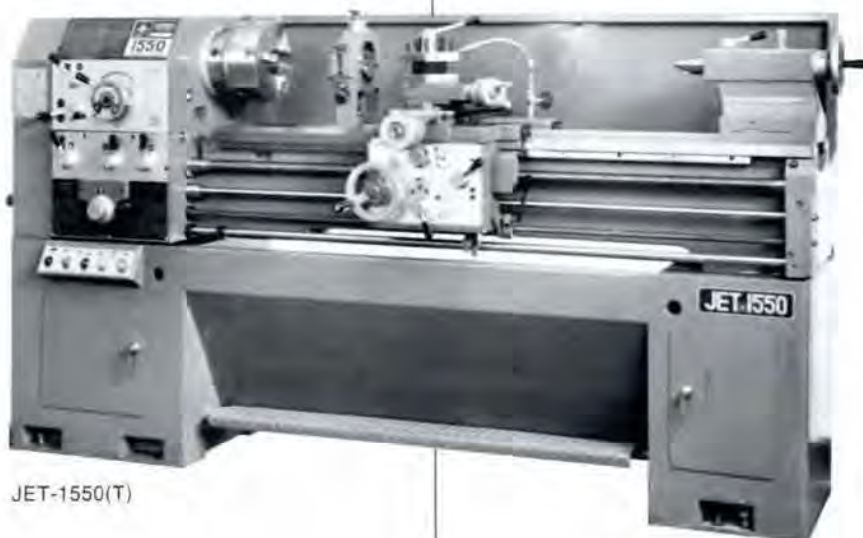
Stock No. 321395

Swing Over Bed	14 $\frac{1}{8}$ "	Range of Longitudinal Feeds (in./rev.)	0.002-0.05	No. of Modular Threads	18
Swing Over Cross Slide	8"	Range of Cross Feeds	0.001-0.025	Range of Modular Threads	0.3-3.5
Swing Over Gap	21 $\frac{1}{2}$ "	Cross Slide Travel	8 $\frac{1}{2}$ "	Travel of Tailstock Spindle	5"
Length of Gap in Front of Face Plate	3 $\frac{1}{2}$ "	Compound Slide Travel	4"	Taper of Tailstock Spindle	MT #4
Distance Between Centers	40"	No. of Inch Threads	45	Motor (3 ph., 220V) Prewired 220V	3 HP
Hole Through Spindle	1 $\frac{1}{2}$ "	Range of Inch Threads (TPI)	2-72	Overall Width	35"
Spindle Nose	D1-5 Camlock	No. of Metric Threads	38	Overall Height	48"
Spindle Taper	MT #5	Range of Metric Threads (TPI)	0.2-14mm	Overall Length	82"
No. of Spindle Speeds	8	No. of Diametral Threads	20	Net Wt. lbs. (approx.)	2925
Range of Spindle Speeds (rpm)	65-1800	Range of Diametral Threads	8-44	Shipping Wt. lbs. (approx.)	3340

Model: JET-1440(D)

Stock No. 321396

Swing Over Bed	14 $\frac{1}{8}$ "	Range of Longitudinal Feeds (in./rev.)	.0012-.016	No. of Modular Threads	18
Swing Over Cross Slide	8 $\frac{3}{8}$ "	Range of Cross Feeds	0.0004-0.0053	Range of Modular Threads	0.3-3.5
Swing Over Gap	21 $\frac{1}{2}$ "	Cross Slide Travel	8 $\frac{1}{2}$ "	Travel of Tailstock Spindle	5 $\frac{1}{4}$ "
Length of Gap in Front of Face Plate	6"	Compound Slide Travel	3 $\frac{3}{4}$ "	Taper of Tailstock Spindle	MT #3
Distance Between Centers	40"	No. of Inch Threads	36	Motor (3 ph., 220/440V) Prewired 220V	3 HP
Hole Through Spindle	1 $\frac{5}{8}$ "	Range of Inch Threads (TPI)	4-72	Overall Width	35 $\frac{1}{2}$ "
Spindle Nose	D1-5 Camlock	No. of Metric Threads	27	Overall Height	49"
Spindle Taper	MT #5	Range of Metric Threads (TPI)	0.4-7mm	Overall Length	83"
No. of Spindle Speeds	8	No. of Diametral Threads	21	Net Wt. lbs. (approx.)	2250
Range of Spindle Speeds (rpm)	70-1800	Range of Diametral Threads	8-44	Shipping Wt. lbs. (approx.)	2675



JET-1550(T)

SPECIFICATIONS:

Stock No.	321348
Swing Over Bed:	15"
Swing Over Cross Slide:	9"
Swing Over Gap:	24"
Distance Between Centers:	50"
Hole Through Spindle:	2"
Spindle Nose:	D1-6 Camlock
Spindle Taper:	MT #6
Number of Spindle Speeds:	12
Range of Spindle Speeds (RPM):	45-2000
Range of Longitudinal Feeds (inch/rev.):	0.002-0.028
Range of Cross Feeds (inch/rev.):	0.001-0.014
Travel of Cross Slide:	7½"
Travel of Compound Rest:	5"
Standard Tool Size:	⅞"
Pitch of Lead Screw:	4 TPI
Thread Range Inch:	4-56 TPI (36 kinds)
Thread Range Metric:	0.5-7mm (22 kinds)
Thread Range Diametral:	8-52 (18 kinds)
Thread Range Modular:	0.5-3.5 (12 kinds)
Diameter of Tailstock Spindle:	2"
Travel of Tailstock Spindle:	5½"
Taper of Tailstock Center:	MT #4
Width of Bed:	12"
Length of Bed:	83"
Floor Space Required (approx.):	22" x 95"
Motor:	7½ HP 3 Phase 220/440V (Prewired 220V)
Net Weight lbs. (approx.):	2750
Ship Weight lbs. (approx.):	3190

Features:

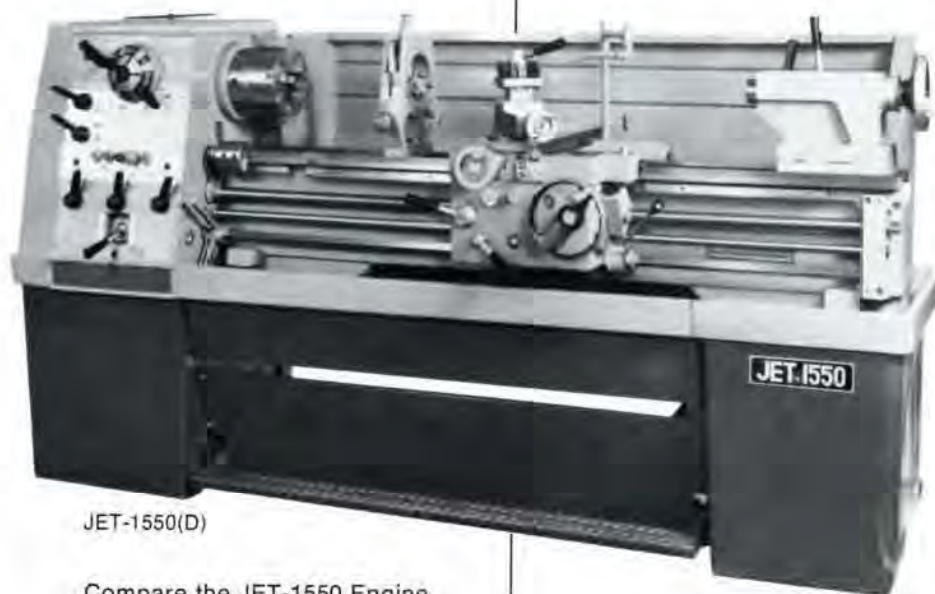
- All gears in the headstock are hardened and precision flank profile ground
- Bedways are induction hardened, precision ground, and made of high tensile cast iron (FC 25)
- The main spindle is precision ground and supported by two precision taper roller bearings (SKF or FAG #32217 and #30215) and accepts 2" diameter bar
- Sliding, surfacing and screw cutting motions are fully interlocked
- Safety features include foot brake, switch bar control lever, adjusting automatic carriage stop, plus shear pin and cone clutch overload protection

Equipment Included As Standard:

7½ HP Motor
 9" 3-Jaw Lathe Chuck
 10" 4-Jaw Lathe Chuck
 20" Faceplate
 Steady Rest
 Follow Rest
 4-Way Tool Post
 Center Sleeve
 Centers (2)
 Threading Dial
 Full Length Splash Guard
 Coolant Pump
 Tool Box with
 Necessary Tools



JET-1550 (D) Engine Lathe



JET-1550(D)

Compare the JET-1550 Engine Lathe with other units of its size and capabilities and you'll discover for yourself the quality and value. Features include extra-heavy rigid aged casting, all bearing surfaces are induction hardened and ground, a no-voltage release which prevents damage to the unit if power should be interrupted. Acute angle-ways guarantee precision accuracy, the footbrake allows rapid braking and separate push-button controls govern main motor and coolant system.

Saddle and Slides

Wide, full length cross slide is externally dovetailed for quick and easy mounting of accessories. Top and cross slides are fitted with micrometer dials. Cross slide nut has a backlash eliminator and all slides and saddle are fitted with locking clamps. Even the slideway lubrication is made easy with "one-shot" plunger type pump.

Headstock

You get shaved and hardened gears on the main transmission, 16 spindle speeds in geometric progression from 20 to 1800 RPM, a D1-6 Camlock spindle nose and 2-3/16" diameter spindle bore accepts 2 1/8" diameter bar.

Gearbox

The totally enclosed universal gearbox provides a comprehensive range of both English

and Metric threads. The "gate-selector" mechanism insures more power and less wear through positive engagement of the gearbox on the sliding gear principle. You also get hardened gears and clutches as well as anti-friction bearings and lubrication throughout.

Apron

The double-wall type apron has splash-type lubrication, totally enclosed oil bath, built-in feed reverse operated by push/pull plunger and the apron handwheel disengages for rapid screw cutting. The double half nut provides maximum thread accuracy and is adjustable for wear. A special interlock device prevents simultaneous engagement of feeds.

Standard Accessories

7 1/2 HP Motor
7" 3-Jaw Lathe Chuck
10" 4-Jaw Lathe Chuck
14" Face Plate
Steady Rest
Follow Rest
4-Way Tool Post
Center Sleeve
Centers (2)
Threading Dial
Full Length Splash Guard
Micrometer Carriage Stop
Coolant Pump
Tool Box with Tools
Instruction and Spare Parts Manual

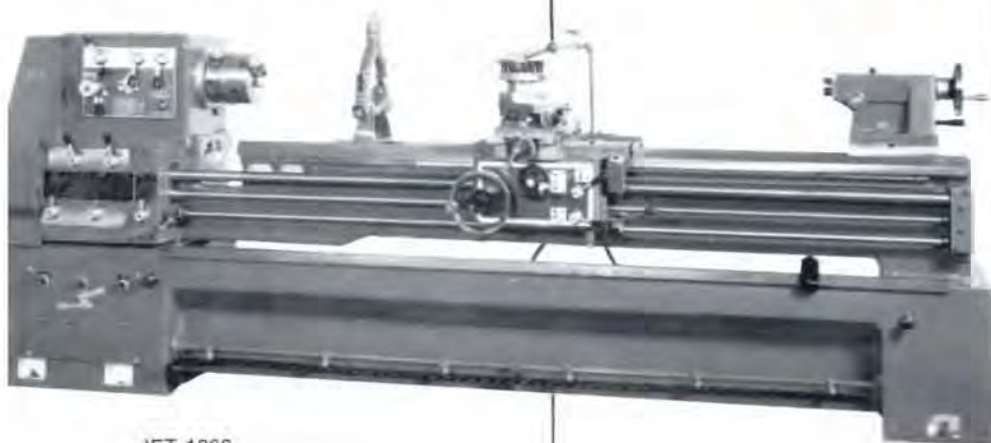
SPECIFICATIONS:

Stock No.	321349
Swing Over Bed:	15 1/4"
Swing Over	
Cross Slide:	9 1/2"
Swing Over Gap:	23"
Distance Between Centers:	50"
Length of Gap in Front of Faceplate:	6 1/8"
Hole Through Spindle:	2 1/8"
Spindle Nose:	D1-6 Camlock
Spindle Taper:	MT #4
Number of Spindle Speeds:	16
Range of Spindle Speeds (RPM):	20-1800
Number of Feeds:	39
Range of Longitudinal Feeds:	.0015-.020 inch/rev.
Range of Cross Feeds:	.00075-.040 inch/rev.
Travel of Cross Slide:	9 1/4"
Travel of Tool Holder Slide:	4 3/4"
Standard Tool Size:	3/4"
Lead Screw Diameter:	1 1/4"x4 TPI
Thread Range — Inch:	2-72 TPI
Thread Range — Metric:	0.2-14mm
Thread Range — Diametral:	8-44 D.P.
Thread Range — Modular:	0.3-3.5 Mod.
Diameter of Tailstock Spindle:	2 1/4"
Travel of Tailstock Spindle:	6 1/8"
Taper of Tailstock Center:	MT #4
Width of Bed:	11"
Length of Bed:	71 1/2"
Motor:	7 1/2 HP, 3 Phase, 220/440V (Prewired 220V)
Net Weight lbs. (approx.):	2601
Ship Weight lbs. (approx.):	3307

JET-1860 and 1880 Engine Lathes



JET-1860
Stock No. 321319



JET-1880
Stock No. 321352

JET's 1860 and 1880 Lathes are heavy, precision machines capable of handling a full range of production work. Bases are made of strong Meehanite iron and designed for rigidity. V-ways and flat ways are hardened and precision ground. Spindles are supported by tapered and ball bearings for long wear. Head stocks feature heat-treated chrome molybdenum gears and headstock can be aligned for true boring. Gearboxes provide for a wide range of feeds and thread cutting, including English, metric, modular and diametral threads. Electrical systems are compact and easily accessible. Magnetic switches and foot operated emergency brakes provide extra safety for machine and operator.

Equipment Included As Standard

12" 4-jaw independent chuck, 7" 3-jaw scroll chuck, 16" faceplate, follow rest, steady rest, 5 HP, 3-phase motor, 2 chuck plates, 2 centers, center sleeve, tool post wrench, electric coolant pump, tool box and all necessary handles and tools. Taper attachment optional.

SPECIFICATIONS:

Swing Over Bedways:	18"
Swing Through Removable Gap Block:	28½"
Length of Gap:	10"
Swing Over Cross Slide:	10"
Distance Between Centers (1860):	60"
(1880):	80"

Width of Bed:	14"
Length of Saddle on Bedways:	19¼"
Spindle Nose:	D1-6 Camlock
Spindle Bearings:	Taper Roller
Spindle Bore:	2-1/16"
Spindle Taper:	MT #6
Spindle Speeds:	12
Range of Spindle Speeds (RPM):	34-1500
Tailstock Spindle Taper:	MT #4
Tailstock Quill Travel:	8"
Tailstock Quill Diameter:	2.080"
Number of Cross Feeds:	31
Cross Feed Travel:	13"
Number of Longitudinal Feeds:	32
Longitudinal Feed Range (per rev.):	0.0028-0.0394"
Cross Feed Range (per rev.):	0.0010-0.0132"
Carriage Travel (1860):	53"
(1880):	72"
Number of Metric Threads:	25
Range of Metric Threads:	0.5-7mm
Number of Inch Threads:	32
Range of Inch Threads:	4-56
Modular Threads Provided:	16
D.P. Threads Provided:	32
Main Drive Motor:	5 HP 3 Phase 220/440V (Prewired 220V)
Coolant Pump Motor:	1/8 HP 220V Induction Motor
Net Weight lbs. (approx.) (1860):	3900
(1880):	4850
Ship Weight lbs. (approx.) (1860):	4180
(1880):	5070



JET-20100
Stock No. 321370

The JET-20100 Engine Lathe is a heavy-duty industrial lathe driven by a powerful 10 HP motor and comes with a lot of extras that don't cost extra and quality features that make it an outstanding machine value.

Bedways are flame hardened and ground. The high speed steel spindle is hardened and annealed to minimize wear and damage. And the 3-point spindle support system features SKF taper roller bearings. The spindle drive gear is precision ground after carburizing and hardening treatment.

The cross slide screw runs in a continuous oil bath to prevent wear. The foot brake, overload gear box and interlocks are safety features valued by professional machinists.

Equipment Included as Standard

10 HP motor
20" Faceplate
12" Chuck Backplate

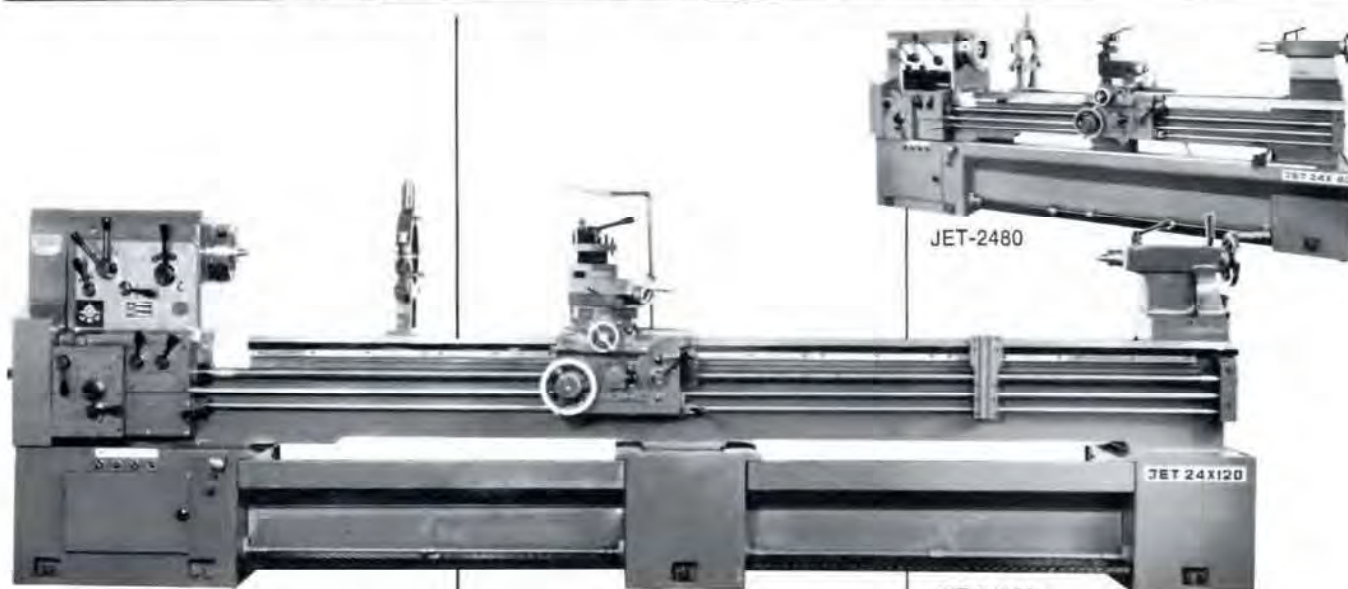
Center Rest
Follow Rest
Coolant Pump
Center Sleeve
Centers (2)
Tool Box with all the necessary Tools

SPECIFICATIONS:

Swing Over Bed: 20"
Swing Over
Cross Slide: 12 $\frac{5}{8}$ "
Swing Over Gap: 27 $\frac{5}{8}$ "
Length of Gap in
Front of Faceplate: 9"
Distance
Between Centers: 100"
Hole Through
Spindle: 2 $\frac{5}{8}$ "
Spindle Nose: D1-8
Camlock
Spindle Taper: MT #6
Number of
Spindle Speeds: 8
Range of Spindle
Speeds (RPM): 70-1300
Lead Screw: 1 $\frac{1}{2}$ " x
4 TPI
Range of
Longitudinal Feeds
(inch/rev.): 0.00354-
0.11968

Range of
Cross Feeds
(inch/rev.): 0.00354-
0.11968
Thread Range
Inch: 2-48 TPI
Thread Range
Metric: 0.5-7mm
Diameter of
Tailstock Spindle: 2 $\frac{7}{8}$ "
Travel of
Tailstock Spindle: 6"
Taper of
Tailstock Spindle: MT #4
Width of Bed: 15"
Motor: 10 HP,
3 Phase
220/440V
(Prewired
220V)
Floor Space
Required
(approx.): 153" x 39"
x 61"
Net Weight
lbs. (approx.): 5170
Ship Weight
lbs. (approx.): 5720

JET- 2480, 24100 and 24120 Engine Lathes



JET's 24-inch series of heavy duty production engine lathes includes all the extras that don't cost extra and all the features you demand of basic equipment despite a tight operating and capital investment budget.

Bedways are flame hardened and ground. High speed 10 HP motors provide the power necessary for large scale production. And high speed steel spindles are hardened and annealed to minimize wear and tear. The 3-point spindle

support system features SKF taper roller bearings. The spindle drive gear is carburized and hardened before it is precision ground. All headstock gears are also hardened and precision ground.

A continuous oil bath prevents wear on the cross slide screw. Extra safety features include a foot brake, overload gear box and interlocks. And the longitudinal feed stop is included as a standard accessory.

JET-24120

Standard Accessories

10 HP Motor
20" Faceplate
12" Chuck Backplate
Foot Brake
4-Way Tool Post
Center Rest
Follow Rest
Coolant System
Center Sleeve
Centers (2)
Tool Box with Necessary Tools

Model: JET-2480 Stock No. 321360

Swing Over Bed	24"	Number of Spindle Speeds	12	Travel of Tailstock Spindle	6"
Swing Over Cross Slide	16 5/8"	Range of Spindle Speeds (rpm)	25-1500	Taper of Tailstock Spindle	MT #4
Swing Over Gap	31 5/8"	Lead Screw	1 1/2" x 4 TPI	Width of Bed	15"
Length of Gap in Front of Faceplate	9"	Range of Longitudinal Feeds (inch/rev.)	0.00177-0.0247	Motor (3 ph., 220/440V)	10 HP
Distance Between Centers	80"	Range of Cross Feeds (inch/rev.)	0.00177-0.0247	Prewired 220V	
Hole Through Spindle	2 5/8"	Inch Thread Range	2-48 TPI	Floor Space Required (approx.)	113"x42"x66"
Spindle Nose	D1-8 Camlock	Metric Thread Range	0.5-7mm	Net Weight lbs. (approx.)	5843
Spindle Taper	MT #6	Diameter of Tailstock Spindle	2 7/8"	Ship Weight lbs. (approx.)	6283

Model: JET-24100 Stock No. 321372

Swing Over Bed	24"	Number of Spindle Speeds	12	Travel of Tailstock Spindle	6"
Swing Over Cross Slide	16 5/8"	Range of Spindle Speeds (rpm)	25-1500	Taper of Tailstock Spindle	MT #4
Swing Over Gap	31 5/8"	Lead Screw	1 1/2" x 4 TPI	Width of Bed	15"
Length of Gap in Front of Faceplate	9"	Range of Longitudinal Feeds (inch/rev.)	0.00177-0.0247	Motor (3 ph., 220/440V)	10 HP
Distance Between Centers	100"	Range of Cross Feeds (inch/rev.)	0.00177-0.0247	Prewired 220V	
Hole Through Spindle	2 5/8"	Inch Thread Range	2-48 TPI	Floor Space Required (approx.)	133"x42"x66"
Spindle Nose	D1-8 Camlock	Metric Thread Range	0.5-7mm	Net Weight lbs. (approx.)	6283
Spindle Taper	MT #6	Diameter of Tailstock Spindle	2 7/8"	Ship Weight lbs. (approx.)	6835

Model: JET-24120 Stock No. 321371

Swing Over Bed	24"	Number of Spindle Speeds	12	Travel of Tailstock Spindle	6"
Swing Over Cross Slide	16 5/8"	Range of Spindle Speeds (rpm)	25-1500	Taper of Tailstock Spindle	MT #4
Swing Over Gap	31 5/8"	Lead Screw	1 1/2" x 4 TPI	Width of Bed	15"
Length of Gap in Front of Faceplate	9"	Range of Longitudinal Feeds (inch/rev.)	0.00177-0.0247	Motor (3 ph., 220/440V)	10 HP
Distance Between Centers	120"	Range of Cross Feeds (inch/rev.)	0.00177-0.0247	Prewired 220V	
Hole Through Spindle	2 5/8"	Inch Thread Range	2-48 TPI	Floor Space Required (approx.)	153"x42"x66"
Spindle Nose	D1-8 Camlock	Metric Thread Range	0.5-7mm	Net Weight lbs. (approx.)	6274
Spindle Taper	MT #6	Diameter of Tailstock Spindle	2 7/8"	Ship Weight lbs. (approx.)	7342



JET-32120 & 32160 Engine Lathes



JET-32120

JET MARINE & OIL FIELD ENGINE LATHES

Here are the really tough, extra rugged precision engine lathes that measure up to the heavy demands of suppliers and manufacturers targeting oil exploration and marine industries.

JET's massive Marine and Oil Field Engine Lathes offer all the accuracy, quality and value you expect when you buy JET. And, like all JET machinery, you get all the extras included as standard equipment that normally are extra-cost options on other makes.

Special Features

The spindle bore on the extra large chuck opens to 9 inches. The high speed 15 HP motor gives the power needed for large scale work. And the high speed steel (USAS B5.9) spindle is hardened and annealed to minimize wear. SKF taper roller bearings are features of the spindle support system and the spindle drive gear is carburized and hardened before it is precision ground. The 1/4 speed change lever permits a shift of the spindle axial travel for drilling and boring.

A continuous oil bath prevents wear on the cross slide screw. Extra safety features include a foot brake, overload gear box and interlocks.

Standard Accessories

15 HP Motor
1/2 HP Rapid Feed Motor
24" 4-Jaw Independent Chucks (2)
9" Hole through Spindle
Taper Attachment
Steady Rest
Follow Rest
Morse Taper #5
Carriage Rapid Feed Mechanism
Oil Pan
Tools and Tool Box

SPECIFICATIONS:

Stock No.:	
Model 32120:	321373
Model 32160:	321374
Swing Over Bed:	32"
Swing Over Carriage:	21 1/4"
Swing Over Gap:	51 1/4"
Width of Gap in Front of Chuck:	15"
Width of Bed:	20"
Depth of Bed:	24"
Distance Between Centers:	
Model 32120:	120"
Model 32160:	160"
Hole Through Spindle:	9"
Spindle Nose:	ASA A1-15
Number of Spindle Speeds:	12
Range of Spindle Speeds (RPM):	5-300

Lead Screw Diam.:	2"x2 TPI
English Thread Cutting:	(24 kinds) 2-24 TPI

Metric Thread Cutting:	(24 kinds) 0.625-14mm
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Range of Longitudinal Feeds:	(12 kinds) 0.06-1.34 in./rev.
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Range of Cross Feeds:	(12 kinds) 0.03-0.65 in./rev.
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Max. Size of Cutting Tools:	1 1/2" x 1 1/2"
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Taper of Tailstock Center:	MT #5
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Maximum Stroke of Tailstock:	8"
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Motor:	15 HP 3 phase 220/440V (Prewired 220V)
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Rapid Feed Motor:	1/2 HP 3 phase 220/440V (Prewired 220V)
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Net Weight lbs. (approx.):	
Model 32120:	12,100
Model 32160:	13,200

Ship Weight lbs. (approx.):	
Model 32120:	12,780
Model 32160:	13,890



JET proudly introduces these precision built engine lathes to its line of metal-working machinery!

Each of the three lathes in the JET-URPE trio of superior machinery offers features you'd only expect to find on equipment costing much, much more. Hardened and ground bedways for instance; the V-ways are stabilized before and after tempering with super vibration equipment to ensure that the utmost in accuracy is maintained; totally enclosed, quick-change Norton-type gear boxes; full gear lubrication systems in the headstock and quick-change box; extended cross slide for rear mounted tooling; chrome/nickel hardened and ground gears and shaft and numerous ball check fittings are provided to allow proper lubrication of vital parts in each lathe, cross slide, feed rod and lead screw support.

We sincerely believe that the JET-URPE Precision Engine Lathes illustrated here are superior, quality machines, competitively priced for real value and capable of machining to exact tolerances for the most demanding specifications.

We invite your inspection.

Features:

- Hardened and ground bedways
- Heavy-duty, all geared, totally enclosed and lubricated headstock
- Chrome-nickel, hardened and ground gears and shafts
- Precision tapered roller bearings are used to absorb maximum radial and thrust loads at all speeds
- Totally enclosed, quick-change Norton type gear box
- Full feed lubrication system in headstock and quick change box
- Heavy-duty carriage and slides are designed for maximum accuracy with large bearing surface on the ways — Two gibs are provided to help compensate for wear
- Graduated tailstock spindle is chrome-nickel, hardened and ground
- Bed and base is made of special alloy cast iron
- Forward and reverse switches are conveniently located at headstock and on the carriage
- Overload clutch is used to prevent damage to machine
- Safety interlocks are used to prevent simultaneous engagement of feed and threading mechanism
- Large chip pan slides out for easy removal of chips
- High precision dial indicators are used to test alignment of the headstock, tailstock and other critical parts of the machine. All readings are recorded on a test report which is furnished with each lathe
- Additional T-slots on the carriage are provided for those special jobs requiring more than one tool fixture
- Extra large holes through spindles: 2" on 1440(U) and 1660(U) lathes and 2 3/8" on the 1860(U) lathe



JET/URPE 1440 (U) Engine Lathe



JET-1440(U)



Graduated tailstock spindle; friction type micrometer dials for easy re-setting.



Gap bed, 3-jaw universal chuck, cutting guard and work lamp.

Standard Accessories:

- 3 HP, Two-Speed Motor
- 8" 3-Jaw Lathe Chuck with Backplate
- Coolant Pump
- Steady Rest
- Follow Rest
- Backplate
- Faceplate
- Centers (2)
- Adjustable Carriage Stop
- Cutting Guard
- Work Lamp
- Threading Dial
- Brake
- Set of Necessary Tools
- Single Tool Post with T-Slot Compound
- Friction type dials for easy re-setting
- Extra T-slots on the carriage for those special jobs requiring more than one tool fixture

SPECIFICATIONS:

Stock No.	321397
Swing Over Bed:	14½"
Swing Over Carriage:	8⅞"
Swing Over Gap:	19¾"
Length of Gap:	9⅞"
Distance Between Centers:	40"
Hole Through Spindle:	2"
Spindle Nose:	L-1 or D1-5 Camlock
Spindle Taper:	MT #4
Number of Spindle Speeds:	12
Range of Spindle Speeds (RPM):	45-1800
Number of Inch Threads:	36
Range of Inch Threads:	2-38 TPI
Number of Metric Threads:	28
Range of Metric Threads:	0.5-8mm
Standard Tool Size:	¾"
Taper of Tailstock Spindle:	MT #4
Main Drive Motor:	3 HP 2 Speed, 3 Phase 220/440V (Prewired) 220V)
Coolant Motor:	⅛ HP
Net Weight lbs. (approx.):	2400
Ship Weight lbs. (approx.):	2700



JET-1660(U)

Standard Accessories:

- 4 HP, Two-Speed Motor
- 8" 3-Jaw Lathe Chuck with Backplate
- Coolant Pump
- Steady Rest
- Follow Rest
- Backplate
- Faceplate
- Centers (2)
- Adjustable Carriage Stop
- Cutting Guard
- Work Lamp
- Threading Dial
- Brake
- Set of Necessary Tools
- Single Tool Post with T-Slot Compound
- Extra T-slots on the carriage for those special jobs requiring more than one tool fixture
- Emergency stop on carriage for extra safety

SPECIFICATIONS:

Stock No.: 321353

Swing Over Bed: 16"

Swing Over Carriage: 9 $\frac{5}{8}$ "

Swing Over Gap: 23 $\frac{5}{8}$ "

Length of Gap: 9 $\frac{7}{8}$ "

Distance Between Centers: 60"

Hole Through Spindle: 2"

Spindle Nose: L-1 or D1-6 Camlock

Spindle Taper: MT #4

Number of Spindle Speeds: 12

Range of Spindle Speeds (RPM): 45-1800

Number of Inch Treads: 36

Range of Inch Threads: 2-38 TPI

Number of Metric Threads: 28

Range of Metric Threads: 0.5-8mm

Standard Tool Size: $\frac{3}{4}$ "

Taper of Tailstock Spindle: MT #4

Main Drive Motor: 4 HP
Two Speed
3 Phase
220/440V
(Prewired 220V)

Coolant Motor: $\frac{1}{8}$ HP

Net Weight lbs. (approx.): 3000

Ship Weight lbs. (approx.): 3400



JET/URPE 1860 (U) Engine Lathe



JET-1860(U)

Standard Accessories:

- 6 HP, Two Speed Motor
- 10" 3-Jaw Lathe Chuck with Backplate
- Coolant Pump
- Steady Rest
- Follow Rest
- Backplate
- 12" Faceplate
- Centers (2)
- Adjustable Carriage Stop
- Cutting Guard
- Work Lamp
- Threading Dial
- Brake
- Set of Necessary Tools
- Single Post with T-Slot Compound
- Friction type dials for quick re-setting
- Longitudinal dial
- Extra T-slots on the carriage for those special jobs requiring more than one tool fixture
- Rear tool post on dovetail cross slide
- Emergency stop on carriage for extra safety

SPECIFICATIONS:

Stock No.:	321320
Swing Over Bed:	18"
Swing Over Carriage:	10 $\frac{1}{4}$ "
Swing Over Gap:	28"
Gap Length:	11"
Distance Between Centers:	60"
Hole Through Spindle:	2 $\frac{3}{8}$ "
Spindle Nose:	L-1 or D1-6 Camlock
Spindle Taper:	MT #5
Number of Spindle Speeds:	12
Range of Spindle Speeds (RPM):	50-2000 or 37-1500
Longitudinal Feed Range (inch/rev.):	0.008-0.03

Number of Inch Threads:	36
Range of Inch Threads:	3.5-60 TPI
Number of Metric Threads:	22
Range of Metric Threads:	0.5-7mm
Range of Modular Threads:	0.25-3.5 Mod.
Taper of Tailstock Spindle:	MT #4
Main Drive Motor:	6 HP, Two-Speed 3 Phase 220/440V (Prewired 220V)
Coolant Motor:	$\frac{1}{8}$ HP
Net Weight lbs. (approx.):	4050
Ship Weight lbs. (approx.):	4400



Economy, Quality and Value!

The JET TL-25 and TL-42 cost hundreds of dollars less than other popular turret lathes. That in itself would be a compelling reason enough to take a look at the machines. But the JET TL-25 and TL-42 also include the necessary accessories that are extra-cost options on other makes.

Accurate

Ways and critical parts are hardened and each machine is individually tested for accuracy before leaving the factory. And the accuracy report is furnished with the machine you buy.

Headstock and Spindle

Rugged, one-piece casting holds headstocks with hinged covers for maximum safety with easy access. Extra large spindles are top-grade alloy, case-hardened and ground. They are accurately balanced and supported at four points with high-grade, precision FAG bearings.

Turret Slide

Operated by a 3-spoke capstan wheel with an inclined 6-station circular turret, the slide features locks and adjustable length stops for each turret face. Threading stop features an auxiliary switch for automatic motor-reverse when threading.

Cross Slide

Mounted on a hardened dovetail bed for maximum accuracy, the slide features a tapered take-up gib. Other features include adjustable front and rear tool-posts mounted on adapter blocks in T-slots and adjustable end stops.

Standard Accessories TL-25 and TL-42

Included at no extra cost: Heavy cast base with chip pan, reversible motor and switch, independent coolant system, automatic bar feed, material stop, drill chuck, outside cutter holder, threading tool holder, knurling tool holder, recessing tool holder, tool holder with roller support, taper tool holder, cut-off slide, 1/4" round 5C collet (TL-25), automatic threading reverse switch, and threaded semi-finished back-plate.

Model: TL-25 Stock No. 321326

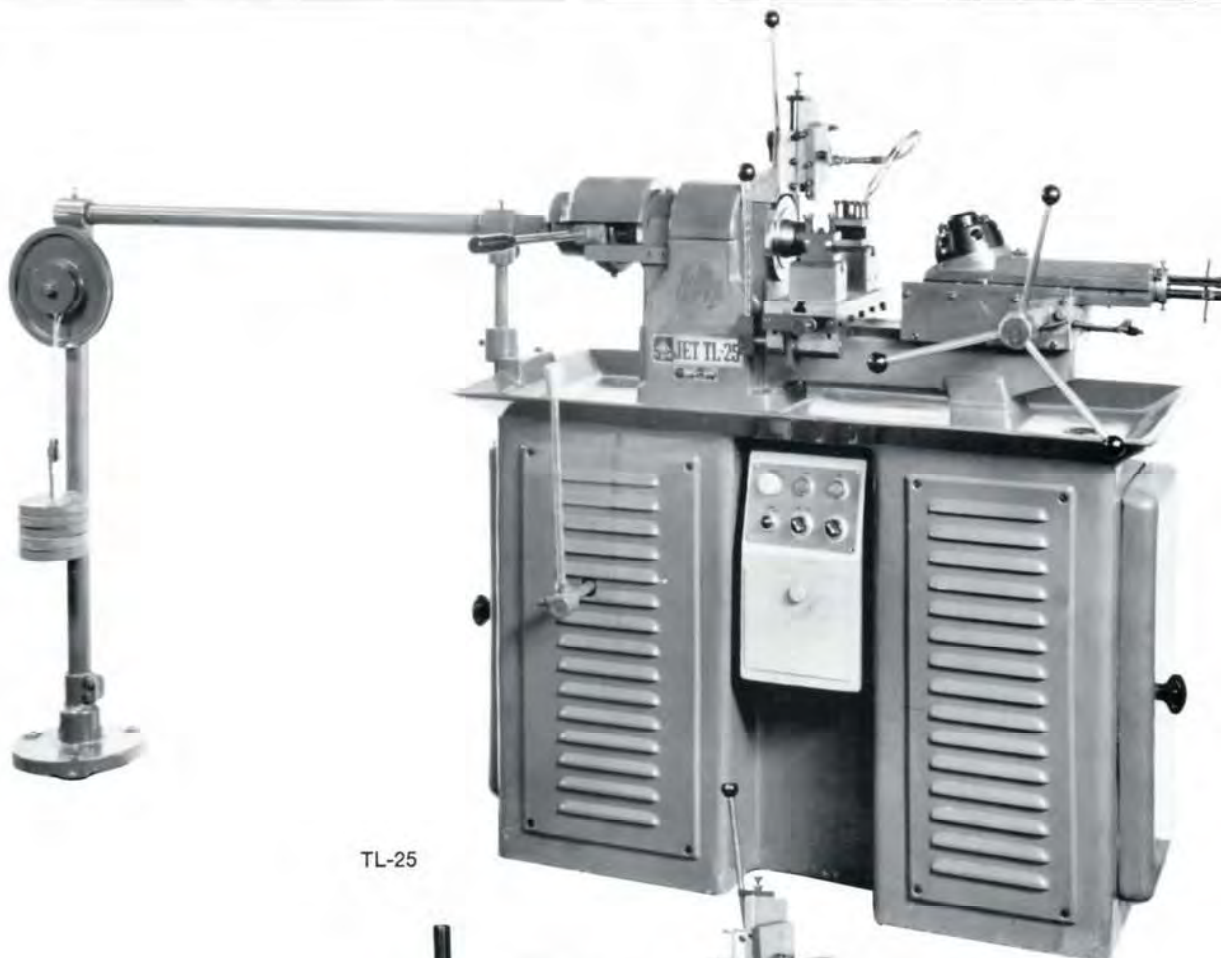
Collet Type	5C	Bed Width	4 3/4"	Maximum Distance Turret Face to Spindle Nose	8"
Collet Chuck Capacity:		Bed Length	28 1/2"	Motor	2 HP, 3 ph., 220V
Round Bar	1/64" - 1 1/8"				
Hex Bar	1/8" - 7/8"	Swing Over Bed	10 1/4"	Floor Space Required	46"x24 1/2"
Square Bar	1/8" - 3/4"	Height from Center of Spindle to Bed	5 1/8"	Extra Space for Bar Feed	79"
Threading Capacity		Cross Slide Maximum Travel	4 3/4"	Machine Height	44"
Brass	3/4"	Swing Over Cross Slide	6 1/2"	Net Weight lbs. (approx.)	913
Iron	1/2"	Turret Slide Maximum Stroke	3-9/16"	Ship Weight lbs. (approx.)	1133
Spindle Nose	M58x12NC	Tool Hole Diameter	3/4" 6 stations		
Scroll Chuck Max. Cap'y	4"				
Spindle Bore Diameter	1 3/8"				
Spindle Head Outside Diameter	2-5/16"				
Spindle Speeds (RPM)	480, 870, 1350, 1940				

Model: TL-42 Stock No. 321343

Collet Type	Warner & Swasey	Bed Width	4 3/4"	Max. Distance Turret Face to Spindle Nose	11 3/4"
Collet Chuck Capacity:		Bed Length	37 1/2"	Motor	3 HP, 3 ph., 220V
Round Bar	5/16" - 1 1/8"				
Hex Bar	5/16" - 1 3/8"	Swing Over Bed	11 3/4"	Floor Space Required	61"x25"
Square Bar	5/16" - 1-3/16"	Height from Center of Spindle to Bed	5 7/8"	Extra Space for Bar Feed	82 3/4"
Threading Capacity		Cross Slide Maximum Travel	6-5/16"	Machine Height	47"
Brass	1 1/8"	Swing Over Cross Slide	8 1/4"	Net Weight lbs. (approx.)	1386
Iron	3/4"	Turret Slide Maximum Stroke	4-5/16"	Ship Weight lbs. (approx.)	1606
Spindle Nose	M80x2	Tool Hole Diameter	1" 6 stations		
Scroll Chuck Max. Cap'y	7"				
Spindle Bore Diameter	2-1/16"				
Spindle Head Outside Diameter	3 1/2"				
Spindle Speeds (RPM)	315, 569, 850, 1260				



JET TL-25 & TL-42 Turret Lathes



TL-25



TL-42

JET Drill Presses and JET-10 Tapping Machine



JET 6

JET-6 High Speed Precision Drill Press

3/16" Capacity

7" Swing

12,000 RPM Motor Included

Use in optical, electronics, instrument or small appliance manufacturing or for dentistry, jewelry making or other crafts. Features a 12,000 RPM direct drive, single phase motor, dial sleeve depth stop, worm and gear height adjustment and swinging head. Extremely accurate and easy to operate. Drill chuck included.

SPECIFICATIONS:

Stock No.:	354006
Drilling Capacity:	3/16"
Maximum Distance Spindle to Base:	6-11/16"
Maximum Spindle Travel:	1-9/16"
Overall Height:	20 1/2"
Base Size:	8 1/2" x 11 1/2"
Working Surface:	6 5/8" x 6 1/4"
Net Weight lbs. (approx.):	35
Ship Weight lbs. (approx.):	44

JET-8 Bench Model Drill Press

1/4" Capacity

10" Swing

Convenient Depth Stop

Use for all small capacity drilling in metal or plastic.



JET 8

This machine is well built and accurate. Ball and thrust bearings support drive and spindle. Lightweight, machined aluminum alloy pulleys provide full transmission of power. Screw type depth gauge is quick and easy to use. Factory wired with tumbler switch and ready to accept any standard motor. Comes with 1/4" drill chuck. Motor not included.

SPECIFICATIONS:

Stock No.:	354008
Swing:	10"
Drilling Capacity:	1/4"
Maximum Distance Spindle to Table:	11 3/8"
Maximum Distance Spindle to Base:	15"
Maximum Spindle Travel:	2 3/8"
Taper of Spindle Nose:	JT #1
Diameter of Column:	2 3/8"
Table Size:	7 3/4" x 7 3/4"
Vertical Travel of Table:	11 3/8"
Spindle RPM's @ 1725 RPM:	900, 1500, 2500, 4200
Suggested Motor:	1/4-1/3 HP 1725 RPM
Spindle Bearings:	6201 LLB(2) 6204 LLB(2)
Size of V Belt:	M-34"
Overall Height:	27"



JET 10

Base Size: 14 1/4" x 8 1/4"

Net Weight lbs. (approx.): 70

Ship Weight lbs. (approx.): 115

JET-10 Tapping Machine

Use less space and produce a maximum amount of work with the JET-10 Tapping Machine for real cost effectiveness on the job.

Features

The JET-10 Tapping Machine is loaded with features that streamline your tapping operations. For instance, the spindle is reversible due to the cone-clutch reverse mechanism inside the spindle head. Full handle control governs spindle action, belt adjustment is easy and the movable table adjusts to your working needs. You also get a 10" swing and 1/4 HP motor.

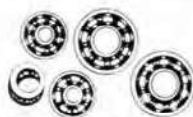
Important additional features are maximum safety design, depth stop device and a range of 8 spindle speeds. Spare parts are immediately available.

SPECIFICATIONS:

Stock No.:	350010
Swing:	10"
Tapping Capacity:	1/16" to 1/4"
Spindle Stroke:	1-9/16"
Max. Distance Spindle to Table:	11 7/8"
Max. Distance Spindle to Base:	15 3/8"
Taper of Spindle Nose:	JT #1
Table Size:	7 3/4" x 7 3/4"
Spindle Speeds (RPM)	
50 Hz Work:	480, 850
50 Hz Back:	700, 1250
60 Hz Work:	580, 1050
60 Hz Back:	700, 1250
Diameter of Column:	2 3/8"
Motor:	1/4 HP Sgl. Ph. 115V
Overall Height:	32"
Base Size:	14 1/4" x 8 1/4"
Net Weight lbs. (approx.):	99
Ship Weight lbs. (approx.):	120



JET Drill Presses/Bench Models



Four ball bearings plus a thrust bearing support spindles and spindle pulleys in all models. That means you get long wear and accuracy of .0005" or better.



You'll appreciate the convenience of Jet's crank operated table raising mechanism. It's standard equipment on all 1/2" and larger machines.



The columns on Jet drill presses are extra-thick, with a ribbed bore. They are carefully machined from a single cast piece and provide extra support and less vibration to keep your Jet drill press quiet running and accurate.



Optional on most other drill presses, but standard equipment with Jet's 1/2" and larger machines. Table will tilt to 45° left or right.



JET-13R



JET-14M

Model: JET-13R Stock No. 354013

Swing	13"	Dia. of Column	3 1/8"	Machine Height	39"
Drilling Capacity	1/2"	Table	9 1/4" x 9 1/4"	Base	10 5/8" x 18 1/4"
Max. Distance Spindle to Table	18"	Vertical Travel of Table	16"	Spindle Bearings	6003Z(1), 6002Z(1) 51103Z(1), 6205Z(2)
Max. Distance Spindle to Base	23"	Spindle RPM's @ 1725 RPM	500, 900, 1600, 2800	Motor Mount	NEMA 56
Maximum Spindle Travel	3 1/8"	Suggested Motor	1/3-3/4 HP 1725 RPM	Net Weight (approx.)	140 lbs.
Taper of Spindle Nose	JT #6	Size of V Belt	A-40"	Ship Weight (approx.)	150 lbs.

Model: JET-14M Stock No. 354014

Swing	13"	Dia. of Column	3 1/8"	Machine Height	44"
Drilling Capacity	5/8"	Table	9 1/4" x 9 1/4"	Base	10 5/8" x 18 1/4"
Max. Distance Spindle to Table	21 1/2"	Vertical Travel of Table	17"	Spindle Bearings	6203Z(1), 6202Z(1) 51103Z(1), 6205Z(2)
Max. Distance Spindle to Base	26 5/8"	Spindle RPM's @ 1725 RPM	500, 900, 1600, 2800	Motor Mount	NEMA 56
Max. Spindle Travel	3 1/4"	Suggested Motor	1/3-3/4 HP 1725 RPM	Net Weight (approx.)	150 lbs.
Taper of Spindle Nose	MT #2	Size of V Belt	A-42"	Ship Weight (approx.)	163 lbs.



JET-13RF



JET-14MF



JET-420F3P

Model: JET-13RF Stock No. 354113

Swing	13"	Dia. of Column	3 1/8"	Machine Height	67 1/4"
Drilling Capacity	1/2"	Table	9 1/4" x 9 1/4"	Base	13" x 23"
Max. Distance Spindle to Table	22 1/2"	Vertical Travel of Table	21"	Spindle Bearings	6003Z(1), 6002Z(1) 51103Z(1), 6205Z(2)
Max. Distance Spindle to Base	51"	Spindle RPM's @ 1725 RPM	500, 900, 1600, 2800	Motor Mount	NEMA 56
Max. Spindle Travel	3 1/8"	Suggested Motor	1/3-3/4 HP 1725 RPM	Net Weight (approx.)	227 lbs.
Taper of Spindle Nose	JT #6	Size of V Belt	A-40"	Ship Weight (approx.)	285 lbs.

Model: JET-14MF Stock No. 354114

Swing	13"	Dia. of Column	3 1/8"	Machine Height	66 1/2"
Drilling Capacity	5/8"	Table	9 1/4" x 9 1/4"	Base	13 3/8" x 23 5/8"
Max. Distance Spindle to Table	21 1/2"	Vertical Travel of Table	17"	Spindle Bearings	51103Z(1), 6203Z(1) 6205Z(2), 6202Z(1)
Max. Distance Spindle to Base	48"	Spindle Speeds @ 1725 RPM	500, 900, 1600, 2800	Motor Mount	NEMA 56
Max. Spindle Travel	3 1/4"	1140 RPM	335, 600, 1100, 1850	Net Weight (approx.)	220 lbs.
Taper of Spindle Nose	MT #2	Suggested Motor	1/3-3/4 HP 1725 RPM	Ship Weight (approx.)	292 lbs.
		Size of V Belt	A-42"		

Model: JET-420F3P Stock No. 354143

Swing	16 1/2"	Table	11 7/8" x 11 7/8"	Machine Height	70"
Drilling Capacity	1"	Vertical Travel of Table	35"	Base	13 3/8" x 23 5/8"
Max. Distance Spindle to Table	39 3/4"	Spindle Speeds @ 1725 RPM	300, 450, 750, 1700, 2000, 3000	Spindle Bearings	6204Z(1), 6205Z(1) 6207Z(2), 51105Z(1)
Max. Distance Spindle to Base	46"	Spindle Speeds @ 1140 RPM	190, 290, 490, 1150, 1400, 2100	Motor Mount	NEMA 56
Spindle Travel	5 1/4"	Suggested Motor	3/4-1 HP 1725 RPM	Net Weight (approx.)	320 lbs.
Taper of Spindle Nose	MT #3	Size of V Belt	A-27" and A-34"	Ship Weight (approx.)	418 lbs.
Dia. of Column	4"				



Durability, Economy and a Motor too!

Rugged, durable construction makes the Orbit Drill Press the dependable tool for the home fabricator or medium-duty production shop.

Efficient and easy to operate, each drill press features an adjustable spring for spindle return, rotary tilting crank-operated table and variable speeds quickly changed with a convenient belt-tension lever.

Each unit includes its own motor and drill chuck. Bench models are packed K.D. for easy handling and minimum freight.



Model: OR-1412 Stock No. 354063

Swing	14"	Spindle Distance to Table	17½"	Spindle RPM	460-2420
Type	Bench	Table Size, Diameter	12¼"	Motor	½ HP
Drilling Capacity	½"	Table Tilt	±45°	Overall Height	40"
Chuck Size	½"	Spindle Taper	JT #6	Base Size	10"x16"
Spindle Travel	3⅝"	Column Diameter	2⅞"	Net Weight (approx.)	146 lbs.
Spindle Distance to Base	24½"	Spindle Speeds	5	Ship Weight (approx.)	154 lbs.

Model: OR-1458 Stock No. 354064

Swing	14"	Spindle Distance to Table	18¼"	Spindle RPM	260-3650
Type	Bench	Table Tilt	±45°	Motor	½ HP
Drilling Capacity	⅝"	Table Size, Diameter	12¼"	Overall Height	40"
Chuck Size	⅝"	Spindle Taper	MT #2	Base Size	10"x16"
Spindle Travel	3¼"	Column Diameter	2⅞"	Net Weight (approx.)	150 lbs.
Spindle Distance to Base	24¾"	Spindle Speeds	12	Ship Weight (approx.)	159 lbs.

Model: OR-1758 Stock No. 354065

Swing	17"	Spindle Distance to Table	17½"	Spindle RPM	260-3650
Type	Bench	Table Size, Diameter	13¾"	Motor	½ HP
Drilling Capacity	⅝"	Table Tilt	±45°	Overall Height	42"
Chuck Size	⅝"	Spindle Taper	MT #2	Base Size	11"x18"
Spindle Travel	4¾"	Column Diameter	3⅝"	Net Weight (approx.)	179 lbs.
Spindle Distance to Base	24½"	Spindle Speeds	12	Ship Weight (approx.)	187 lbs.

Model: OR-1458F Stock No. 354164

Swing	14"	Spindle Distance to Table	29⅞"	Spindle RPM	260-3650
Type	Floor	Table Size, Sq.	*12"	Motor	**¾ HP
Drilling Capacity	⅝"	Table Tilt	±45°	Overall Height	66"
Chuck Size	⅝"	Spindle Taper	MT #2	Base Size	12"x20"
Spindle Travel	3¼"	Column Diameter	3⅝"	Net Weight (approx.)	212 lbs.
Spindle Distance to Base	49"	Spindle Speeds	12	Ship Weight (approx.)	223 lbs.

Model: OR-1758F Stock No. 354165

Swing	17"	Spindle Distance to Table	29⅞"	Spindle RPM	260-3650
Type	Floor	Table Size, Sq.	*12"	Motor	**¾ HP
Drilling Capacity	⅝"	Table Tilt	±45°	Overall Height	66"
Chuck Size	⅝"	Spindle Taper	MT #2	Base Size	12"x20"
Spindle Travel	3¾"	Column Diameter	3⅝"	Net Weight (approx.)	216 lbs.
Spindle Distance to Base	49"	Spindle Speeds	12	Ship Weight (approx.)	229 lbs.

Model: OR-2501F Stock No. 354166

Swing	22"	Spindle Distance to Table	29⅞"	Spindle RPM	180-4200
Type	Floor	Table Size	*18⅝"x16⅝"	Motor	**1 HP
Drilling Capacity	1"	Table Tilt	±45°	Overall Height	66"
Chuck Size	¾"	Spindle Taper	MT #3	Base Size	14"x22"
Spindle Travel	4⅝"	Column Diameter	3⅝"	Net Weight (approx.)	309 lbs.
Spindle Distance to Base	46¾"	Spindle Speeds	12	Ship Weight (approx.)	331 lbs.

*Floor models with production tables.

**Floor models TEFC motors.

JET JRD-700 Radial Drill



JRD-700

Combine drilling, tapping and boring capability in one sturdy 6-speed machine tool and enjoy true value, economy and precision. Features of the JET JRD-700 Radial Drill include a head unit with hardened gears mounted on a splined shaft which operates smoothly on ball bearings. Columns are designed for maximum rigidity and stability for minimum deflection while working; the arm is well ribbed to avoid stress from twisting. The arm is also mounted with a ground sliding way and elevates with an electrical control mechanism.

The high-carbon steel spindle is spline driven, and runs on large diameter taper roller bearings for maximum accuracy and smooth operation.

The base plate has T-slots and drain channels. The coolant tank is incorporated into the casting.

All motors have an independent overload protection system and no-volt release.

Standard accessories include the coolant system, work table, ammeter, reversing controls, complete electrical system and convenient tool box with the necessary tools.

SPECIFICATIONS:

Stock No.:	320020
Drilling Capacity (Steel):	1 3/8"
(Cast Iron):	1-9/16"
Tapping Capacity (Steel):	5/8"
(Cast Iron):	7/8"
Boring Capacity (Steel):	2 3/4"
(Cast Iron):	4 1/8"
Column Diameter:	8"
Max. Distance Spindle to Column:	28"
Min. Distance Spindle to Column:	5"
Spindle Travel on Arm:	23"
Max. Distance Spindle to Bed:	43 1/4"
Min. Distance Spindle to Bed:	17 1/4"
Vertical Movement of Arm:	26 1/8"
Size of Work Table:	20"x16"x15 3/4"
Spindle Taper:	MT #4
Ram Travel:	8 1/4"
No. of Speeds:	6
Range of Speeds (RPM):	88, 154, 282, 455, 796, 1500
No. of Feeds:	3
Feed Per Revolution (inch/rev.):	.002-.0035-.006
Spindle Motor:	2 HP 3 Phase 220/440V (Prewired 220V)
Arm Elevation Motor:	1 HP
Coolant Pump Motor:	1/8 HP
Overall Height:	80 3/4"
Measurement:	80"x55"x32"
Net Weight lbs. (approx.):	2094
Ship Weight lbs. (approx.):	2425



JET D-1000 Radial Drill



D-1000

Combine drilling, tapping and boring capabilities and enjoy true value, economy and precision with JET's D-1000 Radial Drill.

Features include a head unit with hardened gears mounted on a spline shaft which operates smoothly on ball bearings. Column is designed for maximum rigidity and stability for minimum deflection while working, and the arm is well ribbed to avoid stress from twisting. Arm is also mounted with ground sliding ways and elevates with electrical control mechanism.

The high-carbon steel spindle is spline driven and runs on large diameter taper roller bearings for maximum accuracy and smooth operation.

The base plate has T-slots

and drain channels. A coolant tank is incorporated into the casting.

All motors have an independent overload protection system and no-volt release.

Standard accessories include the coolant system, work table, ammeter, reversing controls, complete electrical system and convenient tool box with the necessary tools.

SPECIFICATIONS:

Stock No.:	320010
Drilling Capacity	
Steel:	1 1/2"
Cast Iron:	2"
Tapping Capacity	
Steel:	3/4"
Cast Iron:	1"

Boring Capacity	
Steel:	3-5/32"
Cast Iron:	5 7/8"
Column Diameter:	11"
Maximum Distance Spindle to Column:	40 3/4"
Minimum Distance Spindle to Column:	10 5/8"
Maximum Distance Spindle to Work Table:	32"
Minimum Distance Spindle to Work Table:	9 3/8"
Vertical Traverse of Arm:	45 1/4"
Size of Work Table:	17 3/4" W 26" L 15 3/4" H
Spindle Taper:	MT #4
Quill:	3,600"
Maximum Ram Travel:	11 3/4"
Number of Spindle Speeds:	12
Range of Spindle Speeds (RPM):	38, 55, 80, 116, 159, 231, 325, 372, 686, 975, 1360, 1985
Number of Feeds:	6
Feed per Revolution (in./rev.):	.08"-1"
Spindle Motor:	3 HP 3 Phase 220/440V (Prewired 220V) 1720 RPM
Locking Motor:	1 HP 3 Phase 220/440V (Prewired 220V) 1720 RPM
Arm Elevation Motor:	1 HP 3 Phase 220/440V (Prewired 220V) 1720 RPM
Coolant Pump Motor:	1/8 HP 220/440V (Prewired 220V) 2850/3400 RPM
Overall Height:	7' 1 7/8"
Net Weight	
lbs. (approx.):	3730
Ship Weight	
lbs. (approx.):	5060



The JET Drilling and Milling machines combine maximum versatility with extra rigid construction in unique multi-purpose machines which can be used for milling, drilling, routing, boring, cutting keyways, spot facing and many other routine shop operations. They feature heavy construction for smooth, chatter-free operation, top quality bearings and precision finishing for long wear and accurate performance. Their reasonable cost makes them excellent for small budgets, yet their modern and complete features make them quite suitable for large shops and plants. Two models are available. The smaller JET-15 is perfect for home use. The larger JET-16 is great for machine shops and maintenance shops.

Rigid Construction

Rigid construction guarantees less vibration, precise operation and long wear. Columns are heavy cast pieces with extra thick walls. Bases are extra heavy for sturdy support. Heads are single massive castings. Spindles are extra large and equipped with four heavy-duty taper and roller bearings.

Easy Operation

For easy operation and precise results, downfeed has both rapid and fine feed controls and easy to read front mounted depth gauge. Table control wheels have large micrometer dials graduated in .001". Heads swivel 360° and are easily raised and lowered with a crank operated mechanism. Table is designed with broad dovetails and heavy-duty tapered gib(s) to take up wear. In

addition, the spindles can be locked in any position, and speed changes can be accomplished quickly and easily. Single screw adjustment is a feature on both machines. On the JET-16, work beds can be locked in position and adjustable table travel stops are included.

Standard Accessories

Each unit comes equipped with enclosed pushbutton switch; adjustable, carbide-tipped face mill; angle drill press vise, and drill chuck with key and arbor. The JET-15 comes with a 1/2 HP, single phase motor. The JET-16 is available with either a 2 HP, 3 phase motor or a 1 HP, 115/230V, single phase motor.

JET 16 Table Power Feed Attachment*

Convert your JET-16 Milling Drilling Machine into an automatic production tool in moments! Attachment is easy, adjustment of the variable feed rate is totally operator controlled with a simple dial. And forward or reverse takes just a light touch on the front-mounted control bar.

*US Patent Applied For

JET-15 (8 SPEEDS)

Drilling Capacity: 1"
 Face Mill Capacity: 2 1/2"
 End Mill Capacity: 1/2"
 Swing: 12 3/8"
 Maximum Distance Spindle Nose To Table: 14 1/4"
 Quill Taper: MT #3
 Spindle Travel: 3-15/16"
 Diameter of Spindle Sleeve: 2-7/16"
 Head Swivel: 360°
 Diameter of Column: 3 5/8"
 Spindle Speeds (RPM): Eight
 160, 260, 360, 410, 610, 670, 1600, 1800
 Maximum Table Travel (with one hand wheel removed): 13"

Cross Slide Travel: 4 5/8"
 Working Area of Table: 7 1/2" x 17 1/8"
 Machine Height: 37"
 Motor: 1/2 HP
 Sgl. Ph.
 115/230V
 (Prewired 115V)

Net Weight lbs. (approx.): 330
 Ship Weight lbs. (approx.): 565

JET-16 (12 SPEEDS)

Drilling Capacity: 1 1/4"
 Face Mill Capacity: 3"
 End Mill Capacity: 3/4"
 Swing: 16 3/8"
 Maximum Distance Spindle Nose To Table: 19"
 Quill Taper: MT #3 or R-8
 Spindle Travel: 5"
 Diameter of Spindle Sleeve: 3"
 Head Swivel: 360°
 Diameter of Column: 4"
 Spindle Speeds (RPM): Twelve
 90, 150, 215, 280, 380, 490, 570, 650, 920, 1040, 1450, 2080
 Maximum Table Travel (with one hand wheel removed): 20"
 Cross Slide Travel: 6 1/8"
 Working Area Of Table: 9 3/8" x 23 1/2"
 Machine Height: 45"
 Motor: 2 HP
 3 Ph.
 220/440V
 (Prewired 220V)
 or 1 HP
 Sgl. Ph.
 115/230V
 (Prewired 115V)
 Net Weight lbs. (approx.): 650
 Ship Weight lbs. (approx.): 900



JET Drilling/Milling Machines



JET-15



JET-16

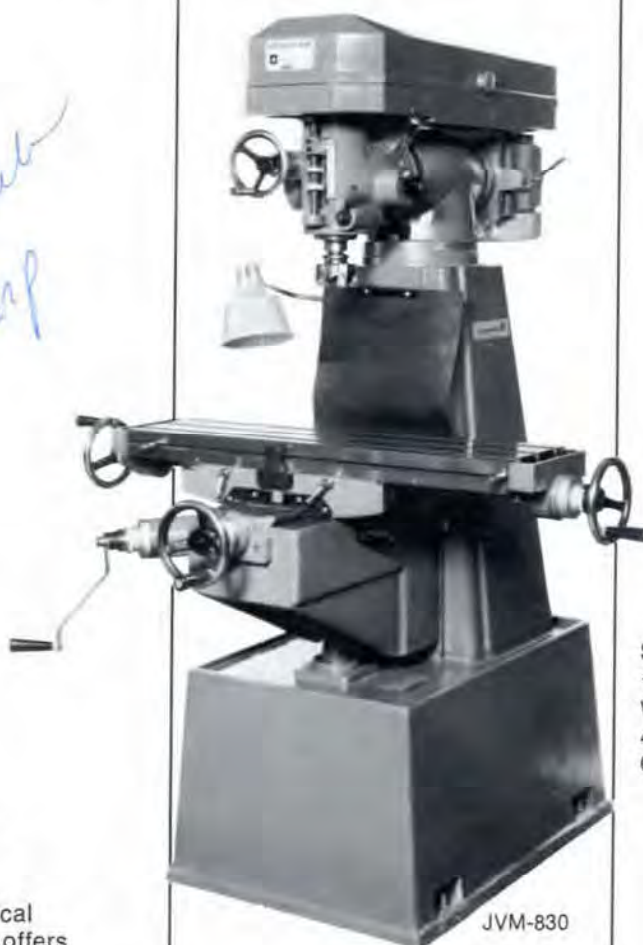
TPFA-16
Optional Attachment
for JET-16 only



Model: TPFA-16 Stock No. 350085

Feed/Speed Rate	2 IPM-9 IPM, Variable	Cord	8'-18 AWG 3-wire with molded plug	Net Weight lbs. (approx.)	11
Motor	1/15 HP, 115V AC/	Overall	12¼" L, 10" W,	Ship Weight lbs. (approx.)	13
Worm Gear Type	1.3 Amps	Dimensions	9¼" H		
Torque (full load)	45 in./lbs.				

JET JVM-830 Vertical Milling Machine



JET JVM-830 Vertical Milling Machine

The JET JVM-830 Vertical Turret Milling Machine offers the kind of economy and versatility needed by a small production shop or large plant. Use it for milling, boring, engraving, surface grinding, drilling or inclined work.

The turret head can be tilted a full 90° left or right and swivels 120° left or right. The R-8 taper offers extra versatility and each unit is built to last. Rugged construction, precision design for a high level of accuracy and ease of operation combine to make this a machine tool that really produces for you. The JET JVM-830 also features a top-to-bottom method of lubrication for easy maintenance.

Heavy Cast Construction

The table surface is highly finished with hardened and ground ways. Tapered gib screw adjustment adds extra convenience.

Even the heavy-duty weight works to your advantage offering you a stable, rigid machine that can handle the toughest jobs with less vibration, greater accuracy.

Standard Accessories

1½ HP Motor
Work Lamp
4" Face Mill
Chuck Arbor

SPECIFICATIONS: 830(P)

Stock No.:	690068
Spindle Taper:	R-8
Spindle Stroke:	3¼"
Max. Distance Spindle to Table:	13¾"
Working Surface of Table:	8"x30"
Max. Longitudinal Traverse of Table:	18½"
Max. Transversal Traverse of Table:	8"
Number of Spindle Speeds:	9
Range of Spindle Speeds (RPM):	215-3440
Motor:	1½ HP, Sgl. Phase, 110/220V (Prewired 110 Volt)
Dimensions:	46" F-B 45" L-R 64" H
Net Weight lbs. (approx.):	1144
Ship Weight lbs. (approx.):	1344

SPECIFICATIONS: 830(F)

Stock No.	690069
Spindle Taper:	R-8
Spindle Stroke:	3-5/32"
Max. Distance Spindle to Table:	18"
Working Surface of Table:	8"x30"
Max. Longitudinal Traverse of Table:	20¾"
Max. Cross Traverse of Table:	8½"
Number of Spindle Speeds:	9
Range of Spindle Speeds (RPM):	215-3440
Motor:	1½ HP Sgl. Ph. 110/220V (Prewired 110V)
Net Weight (lbs. (approx.):	1200
Ship Weight lbs. (approx.):	1400



JET JVM-840 and JVM-840PF Milling Machines



JVM-840

Look to the new JET JVM-840 Vertical Milling Machine for precise prototype work or general job shop production that must meet exacting specifications.

Everything about the JET JVM-840 says solid value. For instance, 10 spindle speeds allow a wide variety of applications and the range of spindle speeds is an additional plus. The hardened and ground spindle is supported by precision ball bearings for long, reliable service life.

You get plenty of table working space too and the turret head swives a full 360° to accommodate exact angle milling.

Even the micrometer graduated dials on the satin finished handwheels show the extra quality that goes into each machine — so the work you produce has the quality look your customers demand and expect.

Choose from the basic unit — JVM-840 — or with Power Feed included — JVM-840PF.

JVM-840

Features:

- Hardened and ground spindle
- Large 5" diameter ram
- Satin handwheels with micrometer graduated dials
- 10 spindle speeds
- Spindle supported by precision ball bearings



JVM-840PF

SPECIFICATIONS:

Stock No.:	690080
Spindle Taper:	R-8
Number of Spindle Speeds:	10
Range of Spindle Speeds (RPM):	190-3200
Spindle Travel:	3 1/4"
Max. Distance Spindle to Table:	13 3/4"
Max. Distance Spindle to Column:	14"
Min. Distance Spindle to Column:	7"
Ram Diameter:	5"
Ram Travel:	7"
Head Tilt (R & L):	90°
Turret Swivel:	360°
Working Surface of Table:	7"x30"
T-Slots in Table/Number & Width:	(3) 9/16"
Longitudinal Travel:	21"
Cross Travel:	7 1/2"
Vertical Travel (Knee):	13 3/4"
Vertical Spindle Motor:	1 HP 3 Phase 220/440V (Prewired 220V)
Overall Height:	63"
Net Weight lbs. (approx.):	1200
Ship Weight lbs. (approx.):	1400

JVM-840PF

Features:

- Power table feed and rapid traverse
- Hardened and ground spindle
- Large 5" diameter ram
- Satin handwheels with micrometer graduated dials
- 10 spindle speeds
- Spindle supported by precision ball bearings

SPECIFICATIONS:

Stock No.:	690081
Spindle Taper:	R-8
Number of Spindle Speeds:	10
Range of Spindle Speeds (RPM):	190-3200
Spindle Travel:	3 1/4"
Max. Distance Spindle to Table:	13 3/4"
Max. Distance Spindle to Column:	14"
Min. Distance Spindle to Column:	7"
Ram Diameter:	5"
Ram Travel:	7"
Head Tilt (R&L):	90°
Turret Swivel:	360°
Working Surface of Table:	7"x30"
T-Slots in Table Number & Width:	(3) 9/16"
Longitudinal Travel:	17 1/2"
Cross Travel:	7 1/2"
Vertical Travel (Knee):	13 3/4"
No. of Longitudinal Feeds:	6
Range of Longitudinal Feeds (IPM):	11/16-12
Rapid Traverse (IPM):	64
Vertical Spindle Motor:	1 HP 3 Phase 220/440V (Prewired 220V)
Feed Motor:	1/4 HP
Overall Height:	63"
Net Weight lbs. (approx.):	1250
Ship Weight lbs. (approx.):	1450



JVM-942

From one-shot lubricating system to the precision design for a high level of accuracy in your work, the JET JVM-942 is the quality machine tool for the cost-conscious shop looking for solid value.

The JET JVM-942 Turret Head Vertical Milling Machine has all the features of a top-of-the-line machine which includes an R-8 spindle that accepts conventional R-8 tooling. Its 8 spindle speeds range from 80 to 2720 RPM with simple adjustment of the V-belts for real versatility. The 9" x 42" table features 3 T-slots with 2½" centers. Turret head tilts 90° left or right as well as 45° forward

or back for compound and complex milling operations. The turret head also swivels 360° and the milling head is equipped with a 90° location dowel. The ram of the milling head gives you your choice of 3-stage power feed, gradual handwheel or rapid lever action.

The 3 phase, 2 HP motor is prewired at 220V for 220/440V operation. The JVM-942 is easily adapted for optional power feed. And 1962 lbs. of rigid construction offer less vibration, longer wear in exacting, precise operation. Accepts standard power feed attachment.

SPECIFICATIONS:

Stock No.:	690066
Spindle Taper:	R-8
Number of Spindle Speeds:	8
Range of Spindle Speeds (RPM):	80-2720
Quill Feeds Per Rev. of Spindle:	0.0015"-0.003"-0.006"
Spindle Travel:	5"
Max. Distance Spindle to Table:	19"
Max. Distance Spindle to Column:	19"
Min. Distance Spindle to Column:	6¾"
Collet Capacity:	⅜"-¾" x 1/16"
Size of Table:	9"x42"
No. of T-Slots in Table:	3
Width & Centers of T-Slots:	⅝" at 2½"
Ram Movement:	12"
Longitudinal Traverse:	30"
Cross Traverse:	12"
Vertical Traverse:	16"
Floor Space:	64"x82"
Motor:	2 HP, 3 Ph. 220/440V (Prewired 220V)
Net Weight lbs. (approx.):	1962
Ship Weight lbs. (approx.):	2601



JVM-948 (K) Vertical Milling Machine



JVM-948(K)

SPECIFICATIONS:

Stock No.	690073
Spindle Taper:	R-8
Diam. of Spindle:	2.115"
Number of Spindle Speeds:	8
Range of Spindle Speeds	
Low: (RPM):	65, 115, 200, 285
High: (RPM):	615, 1100, 1910, 2700
Quill Feeds Per Revolution of Spindle:	0.0015" 0.0028" 0.0047"
Spindle Travel:	5"
Max. Distance Spindle to Table:	18½"
Max. Distance Spindle to Column:	28¾"
Size of Table:	9"x48"
Longitudinal Table Travel:	30° L & R
Per Revolution of Lead Screw:	0.200"
Cross Feed:	14½"
Per Revolution of Lead Screw:	0.200"
No. of T-Slots in Table:	3
T-Slot Size:	9/16"
Table Locks:	2
Cross Carriage Lock:	1
Travel of Knee:	16"
Overarm Dovetail Ways: Width:	5¾"
Length:	36"
Locks:	2
Travel graduated in 1/8" increments	
(Max.):	28¾"
(Min.):	10"
Overall Measurements:	67"W 67"D 80"H
Net Weight lbs. (approx.):	2866
Ship Weight lbs. (approx.):	3307

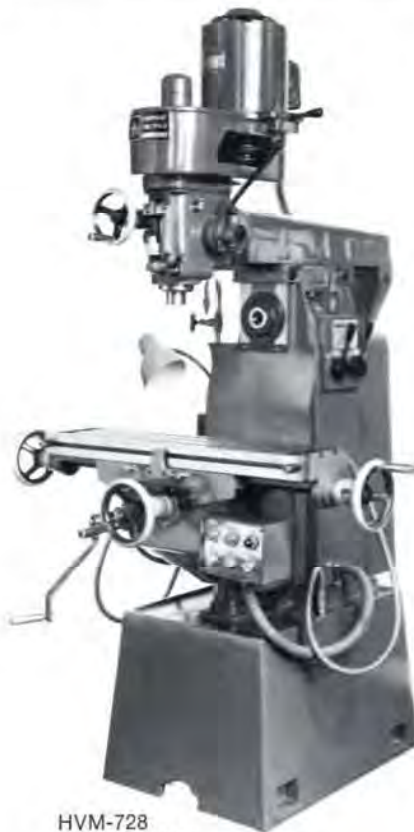
The JET JVM-948 Turret Head Vertical Milling Machine offers an extra large 9" x 48" table for the shop looking for greater versatility in a heavy duty precision machine while keeping capital investment costs in line.

You get all the features of a high quality, top level piece of equipment: central lubrication system; R-8 spindle that accepts conventional R-8 tooling. The head pivots up and down 45° and rotates left and right 90°. The turret rotates 360°.

Eight spindle speeds range from 65 to 2700 RPM. You also get 3-stage power feed, a travel scale graduated in tenths and a micrometer depth stop screw with 0.050" per revolution. The 2 HP, 3-phase motor is pre-wired at 220V for 220/440V operation.

And, the JET JVM-948 also accepts standard power feed equipment — a real plus for the production line or job shop.

Lower than the 942 - Column Standard power feed kit



HVM-728
Vertical Mode



HVM-728
Horizontal Mode

In a nutshell, words like versatile, affordable and tremendous value best describe the JET HVM-728 Horizontal/Vertical Milling Machine.

Quite aside from its very affordable price, you'll value the features that make it a versatile tool for any job shop, production area and maintenance shop. The "one-shot" lubrication system is a big plus. The turret head adjusts swiftly and easily from vertical operations to the horizontal mode. Pushbutton controls on the knee enhance safe and easy operation. Two table locks keep your work accurate and precise. A visual oil gauge permits fast checks for necessary lubrication without unnecessary down time.

Standard Accessories

- Coolant Pump
- One-Shot Lubrication
- Milling Cutter
- Cutter Arbor
- Cutter Sleeve
- Work Lamp
- Adjusting Tools & Tool Box
- Stand

SPECIFICATIONS:

Stock No.: 690047

Table

Working Surface of Table: 7"x28"
Longitudinal Travel: 14"
Transversal Travel: 8"
Vertical Travel: 15"

Vertical Spindle

Number of Spindle Speeds: 8
Range of Spindle Speeds (RPM): 250-2908
Spindle Taper: R-8
Spindle Travel: 4"
Swivel of Head (R & L): 90°
Swivel of Overarm: 360°
Traverse of Overarm: 15"
Distance Spindle to Table: 3"-18"
Distance Spindle to Column: 6"-19"

Horizontal Spindle

Number of Spindle Speeds: 6
Range of Spindle Speeds (RPM): 59-800
Spindle Taper: R-8
Distance Spindle to Table: 13"
Distance Spindle to Overarm Bottom: 4"

Spindle Motors

Horizontal Spindle: 1½ HP
Sgl. Phase
115/230V
(Prewired 115V)
Vertical Spindle: 1½ HP
Sgl. Phase
115/230V
(Prewired 115V)

Coolant Pump Motor: ⅛ HP
Overall Height: 68"
Mounted on Stand: 82"
Net Weight lbs. (approx.): 1320

Spindle comes with machine - In the future case tool will be higher



JET HVM-IPFB Horizontal/Vertical Mill



HVM-IPFB
Horizontal Mode

By simply loosening a few bolts and removing a couple of pins, the JET HVM-1PFB mill can be quickly and easily converted from horizontal to vertical operation. No heavy attachments to lift. No lost time. The HVM-1PFB overarm swivels easily on a graduated 360° turret and lets you perform a wide variety of production operations with a single accurate and reasonably priced machine.

Total Versatility

Each of the spindles is driven by an independent 2 HP motor (with a 2-speed motor on the vertical spindle) to provide you with 8 vertical spindle speeds from 250-3,150 RPM, and 6 horizontal speeds from 80-900 RPM. In addition, the vertical head tilts left and right to 45°. The table is equipped with 6 speeds and rapid traverse.

Quality Construction

Main spindle gears are made of chrome-molybdenum alloy, hardened, tempered and precision finished. The spindle is supported by three high-speed, precision tapered bearings. Adjustment screws are provided for take-up of



HVM-IPFB
Vertical Mode

wear. Lock down nuts are provided for all machine movements. And, all hand wheels are equipped with easy-to-read micrometer collars. Backlash eliminator. Narrow guide gibbing.

Safety and Long Wear

For maximum safety to operator and machine, all electrical controls are equipped with magnetic switches. For long wear and continued accuracy, moving parts are oiled by a forced lubrication system.

Standard Accessories

Standard accessories include coolant system, cutter arbor, arbor sleeve, adjusting tool and tool box.

SPECIFICATIONS:

Stock No.:	690050
Working Surface of Table:	9"x 35-7/16"
Longitudinal Travel:	20 1/2"
Transversal Travel:	9"
Vertical Travel:	17 3/4"
Number of Longitudinal Feeds:	6

Range of Longitudinal Feeds (in. per min.):	0.80-9.40
Rapid Longitudinal Traverse (in. per min.):	80.

Vertical Main Spindle

Number of Spindle Speeds:	8
Range of Spindle Speeds (RPM):	250-3150
Vertical Travel:	3 1/8"
Taper of Spindle Bore:	NST #30
Head Will Swivel (R & L):	45°
Over Arm Will Swivel:	360°
Traverse of Over Arm:	17 3/4"
Spindle Nose to Table Surface:	4 3/4" - 19 5/8"
Spindle Center to Column Surface:	3-5/16" - 20 1/2"

Horizontal Spindle

Number of Spindle Speeds:	6
Range of Spindle Speeds (RPM):	80-900
Taper of Spindle Bore:	NST #30
Spindle Center to Table Surface:	15"
Spindle Center to Over Arm Bottom:	4"

Drive Motor

Horizontal Main Spindle:	2 HP 3 phase 220/440V (Prewired 220V)
Vertical Main Spindle:	2 HP 3 phase 220/440V (Prewired 220V)
Longitudinal Feed:	1/2 HP
Coolant:	1/8 HP
Dimensions:	59 1/2" x 51" x 72"
Net Weight lbs. (approx.):	2750
Ship Weight lbs. (approx.):	3190

JET No. 2 Knee Type Milling Machines



HMM-2
Stock No. 690030



VMM-2
Stock No. 690020

These top quality machines feature a spindle supported by precision, oversized bearings for heavy cutting and maximum accuracy. Spindle is kept from overheating by a specially designed air flow cooling system. All spindle speed controls are located on the right side of the machine for easy operation, and an infinitely variable speed mechanism allows the operator to use any feeding

speed. Knee and saddle are ruggedly constructed with centrally located control clusters. Machines are also equipped with a backlash eliminator to reduce vibration and increase cutting tool life and an automatic lubrication system to keep all moving parts well lubricated. Rapid feed. Accessory vertical head is available for HMM-2 Horizontal Mill.

SPECIFICATIONS:

Table Working Surface:	47 1/4" x 11"
Cross Traverse:	11"
Longitudinal Traverse:	26 3/8"
Vertical Traverse	
HMM-2:	19-11 1/16"
VMM-2:	18 1/8"
T-Slot (width x slot x pitch):	5/8" x 1/8" x 2 3/8"
Number of Feeds:	Infinitely Variable
Longitudinal & Cross Speed:	3/4 - 48 ins./min.
Vertical Speed:	1/4 - 11 7/8 ins./min.
Spindle Nose:	NS #50
Number of Speeds:	12
Speed Range (RPM):	60-1800
Spindle Motor:	5 HP 220/440V (Prewired 220V)
Feed Motor:	1 HP 220/440V (Prewired 220V)
Coolant Pump Motor:	1/10 HP
Floor Space Required	
HMM-2:	7 1/2' x 7'
VMM-2:	7 1/2' x 5 1/4'
Net Weight lbs. (approx.):	4312
Ship Weight lbs. (approx.):	4840



JET Surface Grinders

No switch
on coolant system
must buy one.

Photos are
OFF-SET
ON BAND -



JSG-612
Stock No. 414501



JSG-618
Stock No. 414503



JSG-718
Stock No. 414505

has
coolant
system

Now, JET offers a selection of precision surface grinders for your most exacting finishing jobs.

All the performance features you look for in a quality tool are here. Three models offer you grinding capabilities from 6"x12" to 7"x18". You also get a "one-shot" lubrication system and the rigidity and stability you need for vibration-free operation and precise, accurate work.

JSG-612

An exceptionally heavy, ruggedly built, hand-fed surface grinder designed for close tolerance flat, slot and side wheel grinding. Accepts work pieces up to 6" x 12". Each unit features upright spindle slides, two T-slots, 90° "V" channel and 14" longitudinal traverse. Standard accessories include: Diamond wheel truing fixture, wheel sleeve, 7" grinding wheel, wrench, tool box and set of hand tools.

JSG-618

All the features of the JSG-612 plus a maximum work piece size of 6" x 18" and a working height of 12½". Handwheel rim is graduated to read to .0002"

and one revolution of the handwheel moves the grind-

ing wheel a precise 1". Massive construction of the head, table saddle and base provide the stability necessary to fine finishing work. Standard accessories include: Diamond wheel truing fixture, wheel sleeve, 7" grinding wheel, wrench, tool box and set of hand tools.

JSG-718

This economical, conveniently-operated, hand-fed surface grinder provides all the accuracy of more expensive machines. Extra long ways and "one-shot" lubrication systems help maintain that extra measure of accuracy for many years of productive service. Grinding wheel is 8" in diameter, ¾" thick and has a 1¼" center hole. Designed for close tolerance flat, slot and side wheel grinding. Standard accessories include: Diamond wheel truing fixture, wheel sleeve, 8" grinding wheel, wrench, tool box and set of hand tools.

	JSG-612	JSG-618	JSG-718
Grinding Capacity	6" W, 12" L	6" W, 18" L	7" W, 18" L
w/8" wheel	12" H	12" H	12" H
w/7" wheel	12½" H	12½" H	12½" H
Wheel	1½ HP, 3 Ph.	1½ HP, 3 Ph.	1½ HP, 3 Ph.
Spindle	220/440V	220/440V	220/440V
Motor	3450 RPM	3450 RPM	3450 RPM
Grinding Wheel Dia.	7"	7"	8"
Thickness	½"	½"	¾"
Center Hole	1¼"	1¼"	1¼"
Spindle Table	12" L-R	18" L-R	18" L-R
Working Surface	6" F-B 12½" H	6" F-B 12½" H	7" F-B 12" H
Spindle Diameter:	1-3/16"	1-3/16"	1-3/16"
Front Rollers	Flat	Flat	Flat
Mounted In	Channel	Channel	Channel
Rear Rollers	90°	90°	90°
Mounted In	V-Channel	V-Channel	V-Channel
Maximum Longitudinal Travel	14"	20"	20"
Handwheel	14"	20"	20"
Traverse (per rev.)	Table Travel	Table Travel	Table Travel
Optional Lever	11"	17"	17"
Traverse (180°)	Table Travel	Table Travel	Table Travel
Max. Work Height	16"	16"	16"
Min. Work Height	3¼"	3¼"	3½"
Handwheel Graduation	.0001" Vert.	.0001" Vert.	.0001" Vert.
Lubrication System	"One-Shot"	"One-Shot"	"One-Shot"
T-Slots	2 (9/16")	2 (9/16")	1 (7/16")
Dimensions	56" F-B 45" L-R 78" H	56" F-B 45" L-R 78" H	68" F-B 43" L-R 78" H
Net Wt./lbs. (approx.)	1425	1540	1100
Ship Wt./lbs. (approx.)	1800	1870	1250



JCG-450

This addition to JET's line-up of precision machine tools can sharpen wheel cutters, end mills, shell mills and more with precision and accuracy. It can also be used for surface grinding.

Begin with angular contact spindle ball bearings. Add a double-end wheelhead, dog rail and stop dogs, lever and handwheel feed, full storage cabinet in the base and a powerful ball-bearing motor. The wheelhead swivels 360° and the table swivels 15°. Headstock swivels 360° and tilts 30° above and below. It's a versatile machine that lets you get to difficult angles, maneuver large pieces, professionally produce a high quality of work.

Standard Accessories

Each unit is fully equipped with the following: Coolant system, 2 cup wheels, tool bit grinding attachment, face-mill holder, 1" diameter cutter arbor, tooth rest, MT #3 center and a set of adjusting tools.

SPECIFICATIONS:

Stock No.:	690070
Distance Between Centers:	17½"
Swing:	11"
Longitudinal Travel of Table:	17¾"
Working Surface of Table:	4½"x28"
Table Swivel:	15°
Cross Travel of Saddle:	6"
Vertical Adjustment of Wheelhead:	6"
Wheelhead Swivel:	360°
Headstock Swivel:	360°
Headstock Tilt:	30° Above & Below
Spindle Taper:	MT #3
Max. Wheel Diameter:	6" Dia. x 5/8" Bore
Grinding Wheel Speed (RPM):	3600
Wheelhead Motor:	½ HP 3 Phase 220/440V (Prewired 220V)
Coolant Motor:	⅛ HP
Net Weight lbs. (approx.):	397
Ship Weight lbs. (approx.):	507



JET JCG-638 Universal Tool & Cutter Grinder



JCG-638



Tools



Accessories



Tool Chest

The JET JCG-638 Universal Tool and Cutter Grinder is a precision piece of machinery that can be the most used, most versatile machine in your shop. It features a double end tilting wheelhead that lets you work at any angle or compound angle. Duplicate controls add to the ease of operation, enhancing convenient access from side, back or front. Even the worktable swivels 180°

The craftsmanship and quality are readily visible; hardened and ground tableways with anti-friction ball slide ways, fingertip control, spring action dog rail and stop dogs, universal workhead and central "one-shot" lubrication system.

Standard Equipment:

Included in the purchase price are the following: Workhead, left and right tailstocks, micrometer adjustable tooth rest, universal tooth rest plate and blade holder extension, three wheel guards (4" - 6" - 8"), diamond dresser holder, workhead center (MT #3), three reducing sleeves (5:2 - 5:3 - 5:4), 4" spindle extension, two grinding wheels (6" dish and 5" cup), grinding wheel mounts, center gauge, face mill holder, 1" O.D. cutter arbor and all the necessary tools for machine adjustment.



Side View

SPECIFICATIONS:

JET JCG-638

Stock No.:	690076
Distance Between Centers:	27"
Swing:	10"
Longitudinal Travel of Table:	16"
Working Surface of Table:	5 1/4" x 37 1/2"
Table Swivel:	180°
Cross Travel of Saddle:	10"
Vertical Adjustment of Wheelhead:	10"
Wheelhead Swivel:	360°
Wheelhead Tilt:	15°
Maximum Wheel Diameter:	8"
Grinding Wheel Speed (RPM):	2600-3700-6200
Workhead Swivel:	360°
Workhead Tilt:	30° above & below
Spindle Taper:	ASA #50 & MT #5
Wheelhead Motor:	1 HP 3 Phase 220/440V (Prewired 220V)
Floor Space Required:	61" x 69"
Net Weight lbs. (approx.):	2000



HSS-10

HSS-10 Stock No. 560010
Imagine cutting a 4"x2" piece of steel in 2 seconds! That's the kind of extremely fast cutting possible with JET's HSS-10 Manual High Speed Metal Saw. You get virtually burr-free results for cutting off, mitre cutting, notching, incisions, slitting, ripping or trimming of angles. Use the HSS-10 for I-beams, channel, pipe, bar stock, shapes, plates or castings.

The tough, durable tungsten molybdenum saw blade can be inexpensively re-sharpened, making the overall maintenance costs quite low. It produces so little heat when cutting that no coolant is necessary and there is no distortion of light sections. Cuts are always straight and square and, in most cases, clamping is not necessary.

SPECIFICATIONS:

Cutting Capacity	
Steel, I Beam:	6"x3"
Steel, Solid Bar:	1 1/2"
Steel, Plate:	1/2"
Steel, Pipe:	5"
Blade Diameter:	20"
Blade Thickness:	1/8"
Blade Travel:	12"
Dimensions:	69" H 42" L 38" W
Motor:	10 HP 3 Phase 220/440V (Prewired 220V)
Drive:	Direct
Net Weight lbs. (approx.)	
HSS-10:	800
Ship Weight lbs. (approx.)	
HSS-10:	1000



EM-50S

JET Heavy-Duty Capacitor Start Motors for Hard-to-Start Loads

JET Drip-Proof Electric Motors are quiet in operation, require normal starting current only and have high starting torque. Each is capable of carrying a small overload continuously or a large overload intermittently (see the service factor ratings in the specification chart below).

Recognized by UL and CSA approved, these ball bearing power tool motors are available with solid mountings; 1/2 HP motor also available with resilient mountings. All five motors have pre-set clockwise rotation and reversible operating capacity.

JET Electric Motors are made by America's leading motor manufacturer to JET's specifications. Authorized service is available throughout the United States. Our Customer Service Department will refer you to your closest available authorized service center.

JET Electric Motors

Model	Stock #	HP	Voltage	Nema Frame	Rated Full Load Speed	Bearings	Service Factor	Input Watts at Full Load
Solid Mount, Drip Proof, 1 phase Capacitor Start, Reversible								
EM-33S	577125	1/3	115/230V (Prewired 115V)	56	1725	Ball	1.35	500
EM-50S	577126	1/2	115/230V (Prewired 115V)	56	1725	Ball	1.25	750
EM-75S	577128	3/4	115/230V (Prewired 115V)	56	1725	Ball	1.25	1020
EM-100S	577129	1	115/230V (Prewired 115V)	56	1725	Ball	1.25	1300
Resilient Mount, Drip Proof, 1 Phase, Capacitor Start, Reversible								
EM-50R	577127	1/2	115/230V (Prewired 115V)	56	1725	Ball	1.25	750



Horizontal/Vertical



HVBS-461
HORIZONTAL MODE

JET Horizontal/Vertical Bandsaw

JET's HVBS-461 will be one of the handiest tools in your shop. Use it horizontally as a cut-off saw for metal, plastic or wood. Or, use it vertically. With the saw's easily installed 6½"x10" vertical table in position, you can now cut shapes or contours as well as routine notching and slitting.

The easily adjusted ball-bearing equipped blade guides move quickly into place to aid in operator safety and provide rigid support for cleaner cuts and longer blade wear. The heat treated steel worm gear and bronze wheel gear of the drive assembly run in a constant oil bath assuring long wear to the drive train. Saw features three cutting speeds as well as an easy to adjust 45° angle vise and automatic shut-off.

Of course, belts and blades are protected in compliance with OSHA regulations. Saw comes with NEMA 56 frame, belts and pulleys and ½ HP, single phase motor.



JET-66



HVBS-461
VERTICAL MODE

SPECIFICATIONS:

Stock No.	414461
Horizontal Capacity	
(Round):	4½"
(Square):	4¼"x6"
Throat Depth:	5"
Work Table Size:	6½"x10"
Pulley Bore:	⅝"
Vise Tilts:	45°
Blade Size:	½"x.025"
	64¼"
Blade Wheel Diameter:	7½"
Speeds (SFPM):	65, 120, 220
Motor:	½ HP Sgl. Ph. 115/230V (Prewired 115V)
Motor Frame:	NEMA 56
Height, Vertical:	54"
Height, Horizontal:	37"
Length:	42½"
Width:	21¼"
Net Weight lbs. (approx.):	143
Ship Weight lbs. (approx.):	147

6x6 Horizontal

JET-66 Horizontal Bandsaw

JET introduces the heavy-duty 6"x6" horizontal band-saw that puts real versatility into your metal bandsawing operations. All cast construction.

Features

Ball bearing blade guides are mounted to rigid guide posts to stabilize the saw blade in operation. The hydraulic support cylinder promotes smooth and even feed of the saw frame. A locking valve stops the frame in any desired position.

Convenient, easy to reach push-button controls add to operator efficiency and safety.

Standard Accessories

Each JET-66 Horizontal Band-saw unit comes equipped with a 1 HP motor, complete coolant system with self-priming pump, saw blade, chip tray and cast iron saw frame.

SPECIFICATIONS:

Maximum Capacity	
(Round):	6"
(Square):	6"x4-¾"
Saw Blade Width:	1"
Length:	86¼"
Blade Wheel Diameter:	10-⅝"
Number of Cutting Speeds:	3
Range of Cutting Speeds (SFPM):	66, 98, 132
Overall Dimensions:	47" L to R 22" F to B 26" H
Motor	
Model HBS-66-1:	1 HP Sgl. Ph. 115/230V (Prewired 115V)
Model HBS-66-3:	1 HP 3 Phase 220/440V (Prewired 220V)
Net Weight lbs. (approx.):	374
Ship Weight lbs. (approx.):	640



HBS-10M

For High Volume Production

Quality and economy combine in the JET HBS-10M Horizontal Bandsaw to offer precision cutting to meet the needs of small industry with heavy-duty requirements. The extra heavy cast base provides stability and rigidity.

Pushbutton Control

The manually operated bandsaw features pushbutton start/stop with automatic shut-off at the end of each cut. Other features include graduated feed control, large diameter feed cylinder pre-set band tension hand wheel, large full-contact carbide guides and separate pull-out chip drawer.

Standard Accessories

With each HBS-10M bandsaw you get heavy-duty carbide guides, high volume coolant pump and tank, 2 HP, 3-phase 220V/440V motor (prewired 220V), rugged 45° swivel vise, adjustable length stop, blade brush and set of hand tools. Roller table also included.

Carbide Guides and Vise Jaws



Adjustable Idler Pulley



Roller Table for Stock



SPECIFICATIONS:

Stock No.:	414462
Capacity - Round:	10"
Capacity - Square:	10"
Capacity - Flat:	6½"x15"
Capacity - 45°:	8" Round
Cutting Speeds:	75, 130, 180, 220 SFPM
Blade Length:	150"
Blade Width:	1"
Wheel Diameter:	17"
Work Height:	27¼"
Floor Space:	47"x78"
Height (frame up):	78"
Motor:	2 HP 3 Phase 220/440V (Prewired 220V)
Net Weight	
lbs. (approx.):	1201
Ship Weight	
lbs. (approx.):	1323



JET HBS-12A Horizontal Bandsaw-Automatic



HBS-12A

Fully Automatic: Pre-set the desired number of cuts you want, adjust for the length of cut and the HBS-12A automatically switches off when the job is done.

Easily Operated Height Selector, Feed Rate, Stock Advance, Head Control and Stop/Start Controls



Carbide Guides and Automatic Feed Rollers



Roller Table for Stock



Six Speeds

The versatile JET HBS-12A Horizontal Bandsaw offers the range of cutting speeds most frequently wanted for multi-purpose production — ranging from 45 SFPM to 240 SFPM. The 3 HP, 3-phase motor provides the controlled power to work at any speed within that wide range.

2200 Lbs. of Stability

The extra heavy frame and base provide real stability and rigidity while the bandsaw is in operation. Safety designed guards offer extra security. Other features include large, cast-iron wheels, large diameter feed cylinder, pre-set tension hand wheel, full-contact carbide guides, pull-out chip drawer, graduated feed control and high volume coolant tank and pump.

Standard Accessories

With every JET HBS-12A you get a NEMA 4-control panel with disconnect, electric parts counter, panel-mounted height selector, blade brush and set of hand tools. Roller table also included.

SPECIFICATIONS:

Stock No.:	414463
Capacity - Round:	12"
Capacity - Square:	12"
Capacity - Flat:	7"x13"
Cutting Speeds:	45, 75, 90, 120, 150, 240 SFPM
Blade Length:	150"
Blade Width:	1"
Wheel Diameter:	18"
Work Height:	31"
Floor Space:	64"x85"
Height (frame up):	75"
Motor:	3 HP 3 Phase 220/440V (Prewired 220V)
Net Weight lbs. (approx.):	2200
Ship Weight lbs. (approx.):	2425



Whether you need a saw for maintenance areas, metal shops, building and construction, trade schools or production lines, JET has the vertical bandsaw to meet your purpose.

Cut steel, aluminum, alloys, cast iron or brass. You can even cut plastic or Plexiglas. The secret is in the wide range of speeds that give the operator full control, the saw blade you choose for each project and the tension knob that assures a perfect cut every time.

Each saw equipped with chip blower and saw blades of different configurations, saw blade brush and ribbed tables. Models VBS-350, 400 and 900 are also equipped with a welder light.



JET VBS-250

The ideal economy saw for the small shop, the JET VBS-250 offers 4 fixed speeds ranging from 80 feet per minute to a fast 325 feet per minute. The body of this small precision table bandsaw is made of cast iron and handsomely finished. Easy and steady operation is assured with the worm gear reducer. Each unit includes a blade cutter, blade welder and blade grinder as well as a CNS approved motor, work lamp, saw blades and set of tools.



JET VBS-280

Greater capacities for the small shop are design features of the VBS-280. Four fixed speeds offer cutting ranges of 90-185-275-365 feet per minute. Cutting capacities are a maximum of 6" thick and 11" wide. Hefty weight and cast iron construction add to rigidity and vibration-free sawing of this multi-purpose bench model vertical bandsaw. Each unit includes a blade cutter, blade welder and blade grinder; CNS approved motor, work lamp, saw blades and set of tools.



JET VBS-350

Suitable for general shop or production work, the JET VBS-350 offers high efficiency and variable speeds ranging from 65 to 325 feet per minute. The non-stop speed changing systems allows you to accelerate or decrease cutting speeds without stopping the cutting action. The table is a spacious 19-5/8" x 21-5/8" with deep throat to accommodate large objects. A blade cutter, blade grinder and blade welder are included as well as a CNS approved motor, welder light, work lamp, saw blades, and tools.



JET VBS-400

Designed for heavy-duty production use, the JET VBS-400 features a cast iron body with steel plate, smoothly finished. With the double reduction system and 4-speed transmission, you can obtain smooth cutting speeds ranging from 50 to 1375 feet per minute. The large table area gives lots of working space measuring 22" x 23-5/8" and the deep throat is a highly desirable feature for multi-line shops. The blade welder, blade cutter and blade grinding units are included along with the tools, welder light, work lamp, saw blades, and CNS approved motor.



JET VBS-450

Function and design combine in the JET VBS-450 to provide small shop versatility utilizing a deep throat for a maximum cutting width of 17-3/4". Durable and practical in structure, the "450" is made of cast iron, smoothly finished. Features include a high efficiency welder, non-stop speed changing system ranging from 65 to 295 feet per minute. Single phase wiring makes the saw unit adaptable to normal household current. Also included are a blade cutter and blade grinder as well as CNS approved motor, work lamp saw blades and set of tools.



JET VBS-500

Square styling marks the VBS-500 bench model featuring heavy-duty 1/2 HP motor. Maximum cutting capacities are 6" thick and 19 3/4" wide. Variable speeds ranging from 65-295 feet per minute permit you to cut a wide variety of materials. The deep throat gives extra maneuvering room for awkward shapes. Each unit is equipped with blade welder, blade cutter and blade grinder; work lamp, saw blades, CNS approved motor, and set of tools.



JET VBS-900

The preferred heavy-duty bandsaw for volume production, the JET VBS-900 can handle large production pieces on its extra-large twin table work surface. The structural design of this heavy-duty model incorporates a solid, weighted base, wide work space and deep throat for top performance. An extra feature is the 3-wheel system for cutting wide pieces, which can be

readily switched to 2-wheel sawing for smaller pieces. The 4-speed transmission smoothly moves cutting speeds from 65 to 1315 feet per minute. The CNS approved motor is 2 HP, 3-phase, 230/460V prewired at 230 volts. The blade welding unit, grinding unit, welder light, work lamp, saw blades, and tools are also included.



JWG-12

Portable Bandsaw Welder & Grinder

A necessary adjunct to any machine shop with a saw, maintenance area or production line.

Standard Accessories

Work Lamp
Blade Cutter
Grinder
Power Cord

SPECIFICATIONS:

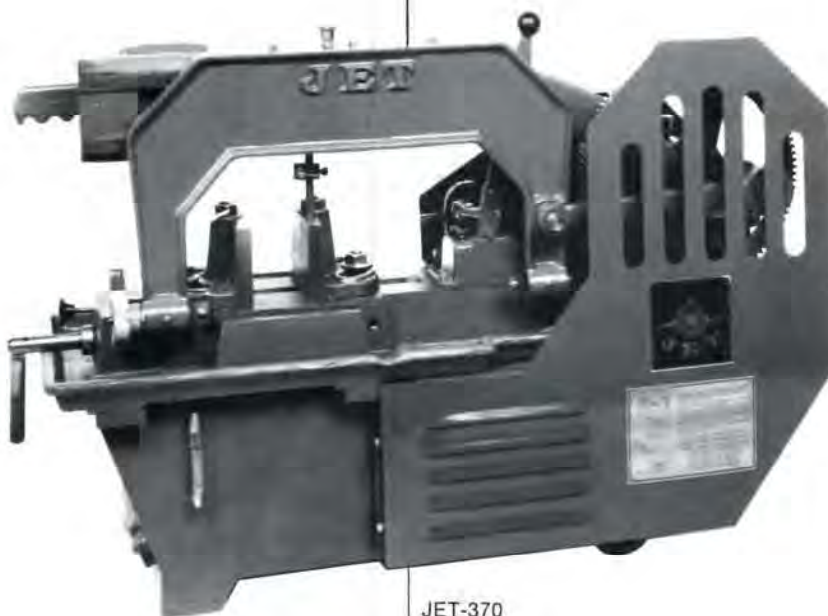
Stock No.:	577120
Input:	110/220V Sgl. Ph. (Prewired 110V)
Capacity:	1.2 KVA
Blade Width	
Capacity:	1/16"-1/2"
Overall	
Dimensions:	17 3/4" (H) 8" (W) 10" (L)
Net Weight lbs. (approx.):	35

JET Vertical Bandsaws

Model	Stock #	Motor	Speeds (FPM)	Max. Cap'y. Thick- ness	Max Cap'y. Width	Table Size	Blade Length	Inclination	Welder	Height from Floor to Table	Overall Height	Min & Max. Blade Widths	Net Wt. (lbs.)	Ship Wt. (lbs.)
VBS-250	414465	1/3 HP, 115/230V Single Phase (Prewired 115V)	80-325	4 3/4"	9 5/8"	14 1/8" x 15 3/4"	70" - 72"	10° Left 20° Right	1.2 KVA	17 1/2"	37"	1/8" - 1/2"	231	336
VBS-280	414475	1/2 HP, 115/230V Single Phase (Prewired 115V)	90-185 275-365	6"	11"	14 3/8" x 15 3/4"	78" x 80"	10° Left 20° Right	1.2 KVA	26 3/8"	49"	1/8" - 1/2"	286	381
VBS-350	414466	1 HP, 115/230V Single Phase (Prewired 115V)	65-325	6 1/8"	13 1/2"	19 5/8" x 21 1/8"	106" - 109"	10° F & B 15° L & R	2.0 KVA	35 1/2"	60"	1/8" - 1/2"	649	847
VBS-400	414467	2HP, 230/460V 3 Phase (Prewired 230V)	50-1375	8 5/8"	15 3/4"	22" x 23 5/8"	119" - 124"	10° F & B 15° L & R	2.4 KVA	39 1/4"	71 1/2"	1/8" - 1/2"	110	1304
VBS-450	414468	1/3 HP, 115/230V Single Phase (Prewired 115V)	65-295	4 3/4"	17 1/4"	15 3/4" x 17 3/4"	85" - 91"	5° Left 25° Right	1.2 KVA	29"	44"	1/8" - 1/2"	485	617
VBS-500	414478	1/2 HP, 115/230V Single Phase (Prewired 115V)	65-295	6"	19 3/4"	15 3/4" x 17 3/4"	95" - 100"	10° Left 20° Right	1.2 KVA	31 3/8"	51 1/2"	1/8" - 1/2"	462	600
VBS-900	414469	2 HP 230/460V 3 Phase (Prewired 230V)	65-1315	7 1/8"	35 1/2"	19 5/8" x 21 1/8" Each (2)	143" - 146" (3-wheel) 90" - 92" (2-wheel)	Back Table Fixed Front Table 10° F & B 15° L & R	2.0 KVA	37 1/2"	64"	1/8" - 1/2"	1210	1480



JET-170



JET-370

JET-170 Power Hacksaw

Dry cut. Features adjustable hydraulic lift to lift blade on backstroke or forestroke, depending on material being cut, to minimize blade wear; automatic shut-off, 45° swivel vise and heavy all cast construction. Use to cut pipe, angle iron, tubing or bar stock. Factory wired with safety switch.

SPECIFICATIONS:

Cutting Capacity:	6"x6"
Saw Blade:	14"
Strokes per Minute:	76
Dimensions:	13-3/8" W 35-7/16" L 25-3/16" H
Recommended Motor:	1/2 HP 1725 RPM
Motor Frame:	NEMA 48
Net Weight lbs. (approx.):	286
Ship Weight lbs. (approx.):	314

JET-370 Power Hacksaw

For faster, more efficient cutting. The JET-370 features built-in coolant system with visual coolant level gauge, four speed drive and 6 7/8" capacity. Hydraulic lift is adjustable to lift blade on forestroke or backstroke. This heavy-duty machine also includes a special gearing system to reduce vibration, 45° angle vise, steel pulley covers and two wheels for easy movement. Factory wired with safety switch.

SPECIFICATIONS:

Cutting Capacity:	6 7/8" x 6 7/8"
Saw Blade:	14"
Stroke per minute:	77
Stroke:	7 3/8", 6 5/8", 5 1/2", 5 1/8"
Dimensions:	35 3/8" L 12 1/2" W 25 5/8" H
Coolant Capacity (gallons):	1 1/2
Recommended Motor:	1/2 HP 1725 RPM
Motor Frame:	NEMA 48
Net Weight lbs. (approx.):	330
Ship Weight lbs. (approx.):	350



JET-2500

JET-2000 Heavy Duty Power Hacksaw

You'll like the accuracy and efficiency of this compact power hacksaw for a wide variety of metal cutting. Don't let its size fool you. Its 540 lbs. of stable weight give you the rigidity you need for precision sawing. And the box type solid construction of the saw frame guide and bed add to the accuracy.

The saw frame of the JET-2000 Power Hacksaw can be moved up or down and stopped in any position. When cutting is completed, the saw frame moves up automatically and stops the machine.

Saw pressure is adjustable and speed changes easily made. All revolving parts use ball bearings. Additionally,

the vise adjusts so that the full length of the saw blade can be used for cutting; swivels up to 45° for bias cutting. Coolant and lubrication system is self-contained inside the bed with the motor and tank.

Standard Accessories

Spanner wrench, saw blade, bundle cutting equipment, sizing equipment.

SPECIFICATIONS:

Stock No.:	414420
Cutting Capacity (Round):	7¾"
(Square):	7"x7"
Angle Cuts:	3¼" at 45°
Saw Blade Length:	14"
Saw Blade Width:	1"
Saw Strokes Per Minute:	90, 115
Saw Stroke:	3½" to 6"

Motor:	1 HP, 3 Ph. 220/440V (Prewired 220V) 1725 RPM
Dimensions:	41" L 17" W 31½" H
Net Weight lbs. (approx.):	540
Ship Weight lbs. (approx.):	700

JET-2500 Heavy Duty Power Hacksaw

Provides easy operation, top cutting accuracy and minimum burr. One piece overarm support guarantees accurate cutting. All controls can be handled from one side of the machine for easy operation. Overarm can be raised, lowered or stopped at any point during operation with one control lever. At end of cutting cycle, overarm raises and machine shuts off automatically. Downstroke pressure is adjustable for cutting a variety of different materials.

Standard Accessories

Specify either 220V or 440V when ordering. Magnetic starter, 45° angle vise, graduated stop bar, saw blade, and bundle cutting attachment.

SPECIFICATIONS:

Stock No.:	414450
Cutting Capacity (Round):	10"
(Square):	9"x9"
Angle Cuts:	to 45°
Saw Blade Length:	18"
Saw Blade Width:	1"
Saw Strokes Per Minute:	90, 130
Saw Stroke:	4"-6"
Motor:	2 HP 3 Phase 220/440V (Prewired 220V) 1140 RPM
Dimensions:	50" L 17" W 35" H
Net Weight lbs. (approx.):	890
Ship Weight lbs. (approx.):	988



JET Cut-Off Machines and Wheels



COM-12



COM-14



COM-16



COM-20

JET Cut-Off Machines

JET ball bearing equipped Cut-Off Machines add speed and efficiency to any job in the shop or out in the field. Cuts quickly and smoothly through pipe, angle or bar stock and saves hours of time over other cutting methods. All machines meet OSHA standards and feature safe steel wheel and spark guards that completely cover spindle nut and flange. Comes with 4 wheels for easy moving or can be permanently mounted on bench or table. 45° angle vise permits easy angle cuts. Standard 1" arbor accepts all standard cut-off wheels. Factory wired with switch to accept standard NEMA frame motors. Motor and wheels not included.

JET Cut-Off Wheels

Resinoid bonded A30R cut-off wheels are reinforced with two outside layers of fiberglass for maximum safety. Use wet or dry for general cutting. Standard 1" arbor hole with metal inserts to prevent hole size from distorting in use. Meets ANSI and OSHA specifications.



JET Cut-off Wheels:

Model	Stock #	RPM	Type	Grit	Size
COW-12	574912	6,000	A	3OR	12" x 1/8" x 1"
COW-14	574914	4,300	A	3OR	14" x 1/8" x 1"
COW-16	574916	3,780	A	3OR	16" x 1/8" x 1"
COW-18	574918	3,320	A	3OR	18" x 1/8" x 1"
COW-20	574920	3,000	A	3OR	20" x 1/8" x 1"

JET Cut-off Machines

Model	Stock #	Wheel Dia	Wheel RPM	Pipe & Angle Cap'y.	Bar Cap'y.	Max. Cap'y.	Vise Size Open	Vise Height	Bed Size	Overall Height	Recommended Motor	Ship Wt. (lbs.)
COM-12	434312	12"	6000	2 3/4"	2"	4"	5 1/8"	2 3/8"	10 1/4" x 21 1/4"	26"	2 HP, 1725 RPM	97
COM-14	434314	14"	4300	3 1/2"	2 3/4"	4 3/4"	6"	2 3/4"	12 1/2" x 21 1/4"	29 1/2"	3 HP, 1725 RPM	127
COM-16	434316	16"	3780	4 3/4"	3 1/8"	6"	8"	3 1/8"	14 1/2" x 23 5/8"	31 1/2"	5 HP, 1725 RPM	250
COM-18	434318	18"	3320	5"	4"	6"	8"	4"	14 1/2" x 23 5/8"	33 1/2"	7 1/2 HP, 1725 RPM	275
COM-20	434320	20"	3000	6"	4"	6 1/2"	8"	4"	16 3/4" x 27 1/2"	51 1/8"	10 HP, 1725 RPM	283



HP-5



HP-15



HP-35



HP-60

JET Hydraulic Presses

The necessary tool for straightening, pushing or pressing. JET Hydraulic Presses feature extra large, strong and rigid frames, easy-to-use hand-operated pump and pressure gauge for direct pressure readings. Tables raise or lower easily with crank operated tables on 15, 35 and 60 ton models. The 15 ton model also features a center which rolls laterally along the screw rack. Additional features include open side frames for inserting long material and rams screw in place for fast set-up.

Standard Accessories

Two bed plates and pump handles. Auxiliary hand presses on the 35 and 60 ton models. The 60 ton model also features a 2-speed ram.

SPECIFICATIONS:

Model HP-5

Stock No.: 331405
Capacity: 5 tons
Ram Diameter: 1 3/4"

Piston Stroke: 5"
Screw Stroke: 3"
Work Table: 19-5/16"x
4 3/4"

Vertical Movement: 15 3/4"
Base Size: 19 3/4"x
28 3/8"

Height: 51 1/2"
Ship Weight
lbs. (approx.): 187

Model HP-15

Stock No.: 331415
Capacity: 15 tons
Ram Diameter: 3 1/8"
Piston Stroke: 5 3/8"
Screw Stroke: 4 1/4"
Work Table: 24 3/4"x
7 1/2"

Lateral Movement: 10-3/16"
Vertical Movement: 22-13/16"
Base Size: 33 7/8"x
29 1/2"

Height: 65"
Ship Weight
lbs. (approx.): 551

Model HP-35

Stock No.: 331430
Capacity: 35 tons
Ram Diameter: 5 1/2"
Piston Stroke: 5 1/2"
Screw Stroke: 6-11/16"
Work Table: 23 3/8"x
8 3/8"

Vertical Movement: 28 3/8"
Auxiliary Hand Pressure (lbs.): 880
Base Size: 37 1/2"x
35 1/2"

Height: 70 7/8"
Ship Weight
lbs. (approx.): 1340

Model HP-60

Stock No.: 331460
Capacity: 60 tons
Ram Diameter: 5"
Piston Stroke: 5 1/2"
Screw Stroke: 4"
Work Table: 44 1/2"x8"

Vertical Movement: 29 1/2"
Auxiliary Hand Pressure (lbs.): 1100
Base Size: 43 1/2"x
55 1/2"

Height: 78"
Ship Weight
lbs. (approx.): 1760

Machine Tool Accessories & Related Products:



Arbor Presses
Backplates
Bench Grinders
Bench Grinder/Sander
Belt Sander & Disc Grinder
Bench Vises
Collet Indexer
Dividing Heads
Drill Press Angle Vises
Drill Press Vises
Horizontal Rotary Tables
Horizontal/Vertical
 Rotary Tables
Index Spacer
Lathe Chucks
Live Centers
Milling Vises
Steel Vises
Tachometers
Universal Angle Tables
Universal Angle Vises
Workshop Vises

Other JET Products:

Material Handling

Adjustable Trolleys
Air Hoists
American Type Blocks
Balance Loader
Boat Winch
Cable Pullers
Chain Hoists
Electric Hoists
Electric Winches
Grip-Pullers
Hydraulic Jacks
Industrial Winches
Load Binders
Motorized Trolleys
Pullers
Screw Jacks
Service Jacks
Snatch Blocks
Transmission Jacks
Utility Blocks
Wire Rope Hoists
Yarding Blocks

Air Tools

Air Drills
Angle Grinders
Backfill Tampers
Chipping Hammers
Clay Diggers
Die Grinders
Flux Chippers
Grinding Wheels
Horizontal Grinders
Impact Wrenches
Metal Shears & Scissors
Needle Scalars
Orbital Sanders
Paving Breakers
Rivet Buster
Riveting Hammer
Rock Drills
Sandrammers
Sump Pump
Trench Diggers
Vertical Grinders
Zip Gun

Hand Tools

Adjustable Angle Wrenches
Anvils
Bolt Cutters
C-Clamps
Cable Cutters
Chain Wrenches
Combination Wrench Sets
Cutters
Gear Pullers
Grip-Pliers
Hammers
Nail Pullers
Pipe Vises
Pipe Wrenches
Pliers
Punch and Chisel Set
PVC Pipe Cutter
Riveting Tool
Rod Cutter/Benders
Screwdrivers
Socket Sets
Tap and Die Set
Utility Cutters

See you local distributor for the full line of JET Material Handling Equipment, Air Tools and Hand Tools.

JET Equipment & Tools



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Form 779C

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