

Southern Tool

Online Store for Smith Hamilton, Serving Customers Since 1926!

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January 11, 2008

Gentlemen:

We are pleased to offer for your consideration:

ONE (1) NEW U.S. INDUSTRIAL 32" X 200" ENGINE LATHE

Model Number: US 32200 CW

SPECIFICATIONS:

CAPACITIES:

Swing Over Bed	31.5"
Swing Over Cross Slide	18.9"
Swing Over Gap	39.4"
Length Of Gap	39.4"
Center Distance	200"

HEADSTOCK:

Spindle Speeds-Number	18
Spindle Speeds-Range	5.4-720 RPM
Hole Thru Spindle	4.09"
Spindle Nose Type	D1-11

GEARBOX:

Threads Per Inch (#) Range	(26) 1-14 tpi
Metric Threads (#) Range	(50) 1-240 mm
Module Threads (#) Range	(53) 0.5-120 mm
Diametral Pitch (#) Range	(24) 1-28

CARRIAGE & APRON:

Cross Slide Travel	19.7"
Maximum Travel of Top Slide	7.9"
Rapid Speed of Carriage	157"/min

TAILSTOCK:

Travel of Spindle Barrel	9-87
Taper of Center Sleeve	MT #6

Taper of Center MT #5

BED:

Width Of Bed 23.6"
Hardness of Bed (Rockwell C) 52

DRIVE & MOTOR:

Main Drive Motor 15 HP
Rapid Motor 1.5 HP

SHIPPING DATA

(W X H X L ON SKID)
32200

6' X 6'6" X 25'4"

WEIGHT:

(SHIPPING WEIGHT/NET WEIGHT)
32200

18,221/15,211 LBS

ACCESSORIES:

Built in Tapering With Power Top Slide
3-Jaw Chuck (16")
4-Jaw Chuck (24")
Follow Rest
Lighting System
One Year Parts and Labor Warranty

Face Plate
Steady Rest
Coolant System
Hand Tools

NOTEWORTHY FEATURES:

The bed is of large width, the side wall of the bed is constructed of double-rib plates, and internal rib plate consists of box-type bevel ribs. The rigidity of this type of lathe increases by up to 1/3 times as compared to other styles.

Load strength is impressive. A workpiece weighing 6,000 lbs (this rating for 120" Center) can be worked with the chuck only, no steady rest support. Using one steady rest this can be increased to 7,000 lbs and using two steady rests or a steady rest and tailstock support an 8,000 lb workpiece can be turned. Permissible cutting force (PZ) is 21372N, and (PX) is 7845N. Size/accuracy of machining is up to Grade II.

These lathes are suitable for general turning such as internal and external, taper turning, facing, cutting Metric, Inch, Module, and Diametral threads, and are also used for drawing oil grooves and keyways.

The forward and reverse rotation and braking of the spindle are hydraulically controlled as well

as the lubrication of the headstock and feed box.

Operations are concentrated. On the Apron is the Rapid 4-Way Control and this single lever also activates taper cutting through power to the tool compound (32" only, 25" has a standard factory installed taper attachment) for short tapers, and when in concert with longitudinal motion for long tapers.

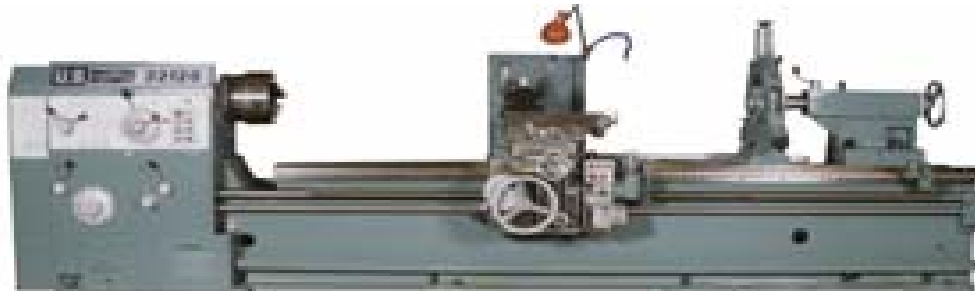
NOTEWORTHY FEATURES CONTINUED:

The construction and rigidity of transmission are higher than those of universal lathes. Precision is repeatable and yet heavy duty cutting can also be obtained. Guideway which is made of FQ-1" wear-resisting, inlaid materials allow for smooth and nimble carriage motion and extends the service life. A lubrication system circulates from the external independent storage tank which maintains better flow, cleaner lubricity, and ultimately increases precision as well as longevity.

Spindle bore will handle 4" bar stock and the machine is neat, functional, rugged, easily maintained, well conceived, and easy to keep clean.

We await your reply and thank you for this opportunity to quote.

Sincerely,
Southern Tool



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