

# U.S. INDUSTRIAL MACHINERY, INC.

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Visit Our Web Site at [www.usindustrial.com](http://www.usindustrial.com)

Gentlemen:

We are pleased to offer for your consideration:

## **ONE (1) NEW U.S. INDUSTRIAL 21X120 CONVENTIONAL GAP-BED LATHE**

Model Number: US 21120MK

### **STANDARD ACCESSORY PACKAGE:**

3 Jaw Chuck (12")

4 Jaw Chuck (16")

Face Plate

Drive Plate

Spindle Reduction Sleeve

Steady Rest

Follower Rest

Longitudinal Stop Device

Micro Stop Device

Threading Dial

Front Chip Cover

Work Light

Coolant System

Foot Brake

Hand Tools

Dead Centers

Oil Gun

Quick Change Gears

Operational & Maintenance Manuals

Voltage Available 220 Volts or 440 Volts

\* ONE YEAR WARRENTY PARTS ONLY

**SPECIFICATIONS:**

**CAPACITIES:**

Swing Over Bed	21"
Swing Over Cross Slide	13.3"
Swing Over Gap	28.3"
Length of Gap	11.5"

**CAPACITIES:**

Length of Gap in Front of Face Plate	7.2"
Distance Between Centers	120"

**HEADSTOCK:**

Spindle Speeds (Number)	12
Spindle Speeds (Range)	25-1500 RPM
Hole Thru Spindle	3.1"
Spindle Nose Type	D1-8
Headstock Center	ASA #350
Headstock Length On Bed	20.3"
Number of Bearings on Spindle	3
Spindle Bearing Type	2 Tapered and 1 Straight

**MAIN SPINDLE BEARING:**

Outside Diameter	7.18"
Inside Diameter	4.87"
OVERALL LENGTH OF SPINDLE	31.03"

**GEARBOX:**

Threads Per Inch (#) Range	(40) 4-56 T.P.I.
Metric Threads (#) Range	(23) 0.5-7
Module Threads (#) Range	(20) 0.5-7
Diametral Pitch (#) Range	(19) 4-28
Long. Feeds (#) Range	(80) 0.0023-0.035"
Cross Feeds (#) Range	(80) 0.00115-0.0175"
Leadscrew Dia./Range	1.33"/4 T.P.I.
Feed Rod Diameter	0.98"
Lubrication System	Oil Pump

**CARRIAGE & APRON:**

Cross Slide Travel	10.6"
Cross Slide Width of Bridge	7.48"
Compound Rest Travel	4.33"
Compound Rest Width	5.31"
Length of Carriage Bearing on Ways	22.95"

Graduation of Apron Handwheel	0.005"
Travel of Carriage per Rev. of Handwheel	1"

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Graduation of Carriage Cross Slide Handwheel (Direct Reading)	0.001"
Travel of Cross Slide Per Rev of Handwheel	0.4"
Height From Top of Compound to Center line of Lathe.	2.1"
Maximum Tool Holder Size	1" x 1"
Lubrication System	Oil Pump

**BED:**

Width of Bed	14.56"
Depth of Bed	14.37"
Hardness of Bed (Rockwell C)	48-54

**TAILSTOCK:**

Tailstock of Spindle Barrel	6.5"
Diameter of Spindle Barrel	2.56"
Taper of Center	2.56"
Tailstock Body Length on Bed	11.69"
Length of Barrel Graduation on Spindle	6"
Type of Clamping on Bed	Bolts and Lever Clamp
Lubrication System	Reservoir

**DRIVE & MOTORS:**

Type of Input Drive	Vee Belt
Number of Vee Belts	4
Main Drive Motor	10 H.P.
Coolant Pump Motor	1/5 H.P.

**SHIPPING DATA:**

Overall Width	45"
Overall Height	67"
Overall Length	195"
Shipping Weight	9100 lbs

**PRICE.....F.O.B. MEMPHIS.....\$ 20,990.00**

**AVAILABLE OPTIONS:**

Taper Attachment	\$ 1,500.00
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We await your reply and thank you for this opportunity to quote.

Sincerely,  
U. S. INDUSTRIAL MACHINERY, INC

