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**ONE (1) NEW U.S. INDUSTRIAL 20" X 120" PRECISION GEARED HEAD ENGINE LATHE
MODEL USL20120**

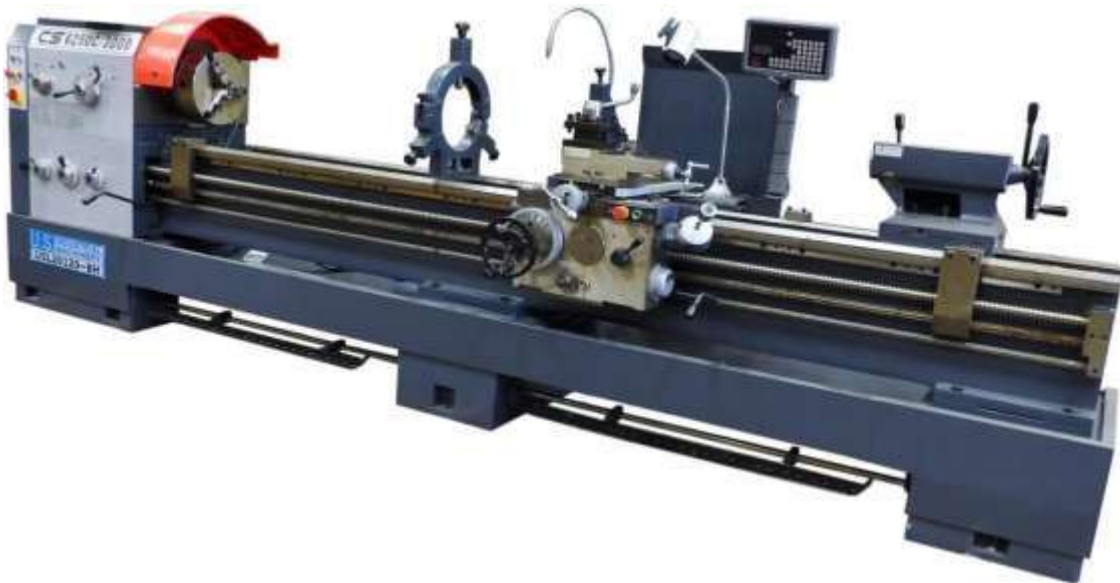
Spindle bore will pass 4"

This precision, **heavy duty geared head engine lathe** incorporates hardened and precision ground bedways on longitudinal and cross ways, and wide, precision ground gears. It has a gap-bed design, feed-rod/lead screw safety interlock system, weight bearing tailstock and forward/reverse levers at both the aprons and the head stock.

As with all U.S. Industrial lathes, it comes with a plethora of standard accessories, 3 and 4-jaw chucks, follower and steady rests, 4-way rapid travel, work lamp, a coolant system and an operator/service manual.

Standard Equipment: (Items below are INCLUDED with the machine)

- 12" 3-Jaw Chuck. Universal, Self-centering
- Compound



- 16" 4-Jaw Independent Chuck
- Steady Rest
- 4-way Toolpost
- Thread Dial
- Work Lamp
- Flood Coolant System
- Sino 2-Axis Digital Readout inch/metric **(installed)**
- Inch Reading Dials on Apron, Cross-Slide and
- Manual with test certificate
- 25" Face Plate & Dog Plate
- Foot Brake with Microswitch
- Follow Rest
- 4-Way Rapid Travel • Safety Chuck Shield
- Taper Attachment **(installed)**
- Large Spindle Bore to pass 4"
- Traveling Backsplash Behind Apron
- Slide Out Chip Pan

U.S. INDUSTRIAL MACHINERY

P.O. BOX 2098 MEMPHIS, TN 38101 PHONE: (800) 860-1850 FAX: (901) 526-2339

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Specifications and important information:

Swing Over Bed

Swing Over Cross-Slide	19.7" (500mm)
Swing Over Gap	11.8" (300mm) 28"
Gap Length	(710mm)
Maximum Workpiece Length with 3jaw chuck	9.44" (240mm) 118" (3000mm)
Maximum Turning Length	116" (2950mm)
Spindle Bore	4.134" (105mm)
Spindle Type	D1-8 Camlock
12 Spindle Speeds	36 to 1600 RPM
65 Longitudinal Feeds	.0023 to .0937 IPR
65 Cross Feeds	.0011 to .0404 IPR
22 Metric Threads	1 to 14mm
27 Inch Threads	2 to 28 TPI
18 Module Threads	0.5 to 7mm 4 to
24 Diametral Pitch Threads	56 DP
Compound Rest Travel	5.75"
Cross-Slide Travel	12.125"
Tailstock Taper	No. 5 Morse Taper
Tailstock Spindle Travel	5.906" (150mm)
Tailstock Spindle Diameter	2.953" (75mm)
Main Motor HP	10 HP (7 kw) 220V or 440V, 3-Phase
Rapid Feed Motor	0.4 HP
Coolant Pump Motor	.16 HP, 11 gallons per minute 7,700
Lathe Gross Weight	lbs.
Dimensions	183" long, 40" wide, 50" tall

Order Model Number: USL20120 AVAILABLE
OPTIONS:

Quick Change Toolpost Kit with Holders.....

(QCTP20-26)

ISO Cutting Tool Package.....

(ISOSET20-26)

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

Sincerely,

U.S. Industrial Machinery

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U.S. INDUSTRIAL 20" X 120" PRECISION ENGINE LATHE | Model Number: USL20X120BH-KIT

Detail of Headstock



Standard Accessories included with Lathe.



Also includes steady rest, follow rest, 3-jaw chuck, and 2-axis DRO See pic on Page 1.

Apron with travelling digital readout display, follow rest, steady rest, taper attachment, rapid travels.



View from back of lathe shows travelling backslash.

QUICK CHANGE TOOLPOST OPTION – (Replaces standard four-way toolpost)

Thank you for the opportunity to quote. We are pleased to offer the following equipment for your consideration:

Cutting Tool Package for U.S. Industrial Lathes: ONE – NEW QUICK CHANGE TOOLPOST WITH FIVE HOLDERS, FOR FACTORY ONLY

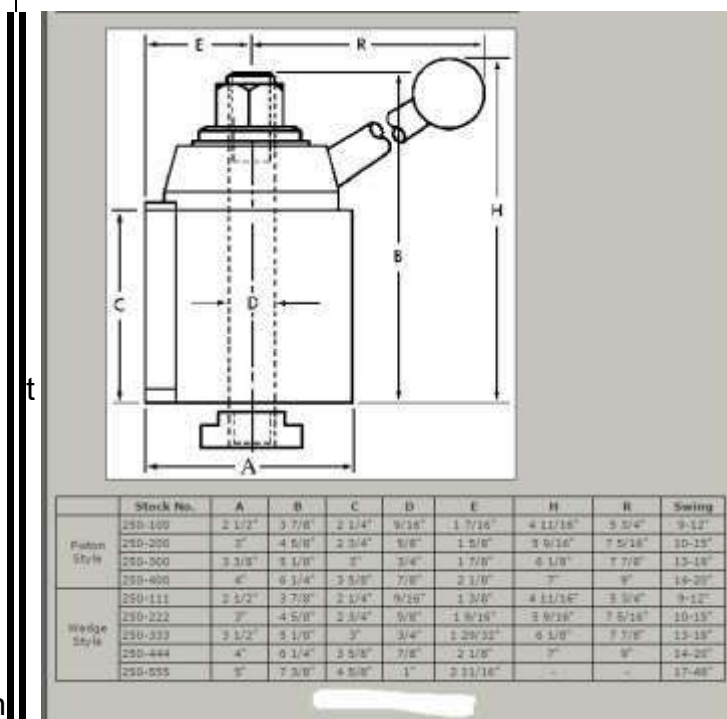
INSTALL ON USL SERIES LATHES

This optional cutting tool package is designed to fit our QUCIK CHANGE TOOLPOST option. It is not for the standard 4-way toolpost.

Tools included below are for: **Wedge style Kit, #444 for our Lathes for 1" Square tools. This comes with Part off holder, knurling holder, boring bar holder, and two 1" SS holders**

Note: Customer MUST purchase option, OUR QC Toolpost set for install prior to shipping:

- 1. MW LN-R, 3/4" square, triangle insert, right hand.....
- 2. MW LN-L, 3/4" square, triangle insert, left hand.....
- 3. Box of 10 W NMG inserts for above.....
- 4. MCLN-R, 3/4" square, diamond insert, right hand...
- 5. MCLN-L, 3/4" square, diamond insert, left hand.....
- 6. Box of 10 CNMG inserts for above.....



7. MVJN-R, 3/4" square, diamond insert, fine finish, right

(T•hi sLeft ship- and rights only in-hand tools for working left and right hand shouldersstalled on lathe.)

- Tools for threading OD and ID

Tools for boring the ID

This is a part of off tools custom i

Installation AND not

available after machine shipping. And more.....**ps.**

Must be installed on lathe at time of order, prior to shipping.

List of carbide cutting tools in KIT for US INDUSTRIAL LATHE: (ISO tools are imports.)

Extra tool: Toolholders for 13", 16.0", 20" and 26" Lathes each. will be 3/4" square shank

QUICK CHANGE QC TOOL POST SETS

Phase II quick change QC tool post sets advanced design provides built-in quick tool changing capability with positive rigidity to meet the most demanding working conditions.

Quickly and easily installed on an engine turner or turret table Phase II quick change QC tool post sets perform a wide range of operations from fine precision work to heavy duty cutting.

All parts are hardened, ground and completely tested for maintenance free operation.

Maximum rigidity for chatter free performance.

Phase II quick change QC tool post sets are interchangeable with all industry leading brands tool series.

EACH SET CONSISTS OF ONE TOOLPOST AND 5 HOLDERS, ONE OF EACH STYLE, W, S, A, F AND V.

PISTON TOOLPOST SETS	
STOCK #	WIDTH
281-1001	9-1/2"
281-2001	12-1/2"
281-3001	15-1/2"
281-4001	18-1/2"

WEDGE TOOLPOST SETS	
STOCK #	WIDTH
281-1111	9-1/2"
281-2111	12-1/2"
281-3111	15-1/2"
281-4111	18-1/2"

Quick Change QC Tool Post Features:

- No chatter or vibration
- Quick change of tools
- No shims
- Unlimited repeatability

[Back to Product Listing](#)

hand.....

ft

9. Box of 10 VNMG inserts, 1/64" nose radius.....

10. SER-0750-SET, 3/4" square, for threading OD, with inserts.....

Cutting Tool Package for U.S. Industrial Lathes:

This optional cutting tool package is designed to fit our QUICK CHANGE TOOLPOST option. It is not for the standard 4-way toolpost.

Tools included below are for:

- Rough and medium finishing of the part OD. Fine finish of the part ID
- Left- and right-hand tools for working left and right hand shoulders
- Tools for threading OD and ID Tools for boring the ID
- Part off tools And more.....

List of carbide cutting tools in KIT for US INDUSTRIAL LATHE: (ISO tools are imports.)

Note: Tools for 20" and 26" Lathes will be 1" square shank

Note: Customer MUST purchase option, OUR QC Toolpost set for install prior to shipping:

- 1 MW LN-R, 1" square, triangle insert, right hand.....
- 2 MW LN-L, 1" square, triangle insert, left hand.....
- 3 Box of 10 W NMG inserts for above.....
- .
- 4 MCLN-R, 1" square, diamond insert, right hand.....
- 5 MCLN-L, 1" square, diamond insert, left hand.....
- 6 Box of 10 CNMG inserts for above.....
- .

- 7 MVJN-R, 1" square, diamond insert, fine finish, right hand.....
- 8 MVJN-L, 1" square, diamond insert, fine finish, left hand..... 9 Box of 10
 VNMG inserts, 1/64" nose radius.....
- .
 10 . SER-1000-SET, 1" square, for threading OD, with inserts.....
 (This is a KIT and includes threading inserts.)
- 11. SIR-1000-SET, 1" round, for threading ID, with inserts..... (This is a KIT and
 includes threading inserts.)
- 12. SCLCR-SET, Boring bars, .315", 3/8", 1/2", 5/8", 3/4" bars, with inserts.....
 (This is a KIT and includes inserts.)
- 13. RH-MCLN, Boring bar, 1" diameter, 12" long.....
- 14. Use inserts in Item No. 6, CNMG.....
- 15. HSS Blade for part-off holder, high speed steel..... Block, blade and 10
 self-lock carbide parting/grooving inserts.....
- 16. Arbor and key chuck for tailstock.....
- 17. Live center for tailstock..... 18. Semi-synthetic
 coolant concentrate, 1 gallon.....