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Date: 02/05/25

# **15” Lathe**

**Clausing/Colchester**

**Variable Speed Lathe**

**“The Professional Series”**

Quotation

## **Clausing/Colchester “The Professional” Lathe Features**

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- **AC Inverter Variable Speed Spindle Drive** state of the art AC Spindle Drive featuring surface mount technology to give compact size and high reliability...4 years parts and labor warranty on drive
- **24V Control:** The machine controls are 24V for low voltage requirements
- **Interlocked End Guard Door** with easy access for maintenance and changing end train gears
- **Leadscrew Reversing Box** for faster thread cutting – reversal of the leadscrew with the spindle running at low speed
- **Easy to read Index Plate** makes it simple to select the proper feed rate or threads
- **Three Headstock Gear Ranges** for a wide spread of constant power – 33 to 1 – better than most CNC lathes
- **Infinitely Variable Spindle Speeds** you can get the right spindle speed very quickly with a response like a CNC lathe, displayed on headstock
- **Electromagnetic Spindle Brake**
- **Forced lubrication system** the spindle bearings, gears and shafts are lubricated by a forced lubrication system
- **Precision Tapered Roller Spindle Bearings**
- **Chuck Guard** with limit switch
- **Anti-Friction Carriage Ways.** Low-friction “Moglice” PTFE material between the saddle and bed for minimal bedwear and longer machine life
- **Saddle Mounted Chip Guard and Full Rear Splash Guard**
- **Extra Wide Heavy-duty Cast Iron Bed** with triangular webs for exceptional torsional stiffness and excellent chip clearance
- **Heavy Duty Tailstock** for excellent rigidity – with extra heavy-duty quill
- **Covered Leadscrew** protects leadscrew from chips
- **Wheeled Chip Bin** has a large capacity for easy chip disposal
- **Hardened and Ground Bedways** - all bedways are induction hardened and precision ground
- **Cast Iron Base** provides the maximum support for the bed combined with sloping top surfaces to prevent the accumulation of coolant

**Clausing/Colchester "The Professional" Specifications**

<b>Capacity</b>	Height of center	7.67"
	Swing over bed	15.75"
	Swing in gap	23"
	Width in front of faceplate	6.5"
	Swing over cross slide	9.7"
	Bedway width	12.5"
<b>Headstock</b>	Spindle bore	2.12"
	Spindle nose (camlock)	D1-6
	Spindle nose taper	4MT
	Number of spindle speeds	3 infinitely variable
	Spindle Speed Range (rpm)	15-2500
	Low range (rpm)	15-300
	Mid range (rpm)	35-830
	High range (rpm)	110-2500
<b>Cross/Top Slide</b>	Travel of cross slide	9.8"
	Width of cross slide	7.09"
	Travel of top slide	5.1"
	Width of top slide	3.93"
<b>Tailstock</b>	Quill travel	5.5"
	Quill diameter	2.87"
	Quill taper	5MT
<b>Feeds &amp; Threading</b>	Longitudinal feed range	0.0014"-0.048"
	Cross feed range	0.0007"-0.024"
	Number of inch pitches	56
	Range of inch pitches	2-56 TPI
	Number of metric pitches	51
	Range of metric pitches	0.2-14mm
	Number of diametral pitches	20
	Range of diametral pitches	8-56
	Number of module pitches	20
Range of module pitches	0.2-3.5	
<b>Motor</b>	Spindle motor	10 hp
<b>8041 Dimensions</b>	Swing & Center Distance	15" x 25"
	Length x Height x Width	75" x 63" x 44"
	Weight approx.	2,970 lbs.
<b>8044 Dimensions</b>	Swing & Center Distance	15" x 50"
	Length x Height x Width	99" x 63" x 44"
	Weight approx.	3,300 lbs.

## Standard Features

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- Spindle Center Bushing
- Two MT Dead Centers
- Splash Guard
- Chuck Guard
- Leadscrew cover
- Coolant System
- Inch Threading Dial
- Set of Wrenches and Keys
- Instruction and Parts Manual
- Accuracy Chart
- Emergency Stop Button
- Lockable Isolator Switch
- One Shot Saddle and Cross Slide Lubrication
- Forward/Reverse/Stop Switch
- Standard 230/3/60 or 460/3/60 Volts (208/3/60 volts Require a Transformer)

## Investment

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### Clausing/Colchester 15" "The Professional" Lathe

8041VSJ	15" x 25" VS Gap Bed Professional	\$ 34,100.00
8044VSJ	15" x 50" VS Gap Bed Professional	\$ 35,100.00

**\*Note: All Variable Speed Lathes are 230v or 460v.**

**(Note: transformer may be required for 460 depending on stock availability)**

**If 208v or 575v is required, a transformer must be purchased.**

CLAUS3-A12K	12KVA 460 Volt to 230 Volt Transformer	\$ 2,860.00
CLAUS3-A12K-575	12KVA 575 Volt to 230 Volt Transformer	3,195.00
CLAUS2-A12K	12KVA 208 Volt to 230 Volt Transformer	1,860.00

## Optional Equipment

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13-410VS	12" Telescopic Taper Attachment	\$ 2,860.00
15-703	14" Slotted Face Plates	1,220.00
15-704	21" Slotted Face Plates	2,420.00
17-910	Live Center	980.00
15-600N	Drive Plates	815.00
15-755N	Bronze Tip & Roller Steady Rest 3/8" to 6-3/8"	1,600.00
15-754N	Bronze Tip & Roller Follower Rest 3/8" to 3-1/4"	860.00
PB23-D6	5C Ft. Mount Handwheel Collet Chuck	1,575.00
0123-R-(size)	Individual 5C Round Collet Inch	30.00
	Individual 5C Round Collet Metric	30.00
0123-SET-4	1/16"-1 1/16" by 64ths (inch set)	1,850.00
0123-SET-5	1/16"-1 1/16" by 32nds (inch set)	960.00
0123-SET-6	1/16"-1 1/16" by 16ths (inch set)	500.00
0123-SET-7	1/8"-1" by 8ths (inch set)	235.00
0123-SET-1	3mm-27mm by .5mm (metric set)	1,400.00
0123-SET-2	3mm-27mm by 1mm (metric set)	725.00
7659	18pc 5C Collet Rack	55.00

**Optional Equipment Continued**

15-775A	Aloris Quick Change Tool Post w/4 Holders (CA)	\$ 1,675.00
15-775A-1	Aloris Extra Straight Holder 1" (CA)	170.00
15-775A-1S	Aloris Extra Straight Holder 1-1/4" (CA)	255.00
15-775A-2	Aloris Extra V-Holder 1", 13/16" bore bar (CA)	190.00
15-775A-2S	Aloris Extra V-Holder 1-1/4", 1" bore bar (CA)	250.00
15-775A-4	Aloris 1-1/4" Heavy Duty Boring Bar Holder (CA)	290.00
15-775A-4D	Aloris 1-1/4" Boring Bar Holder (CA)	250.00
15-775A-41D	Aloris 1-1/2" Boring Bar Holder (CA)	285.00
15-775A-5	Aloris Extra 3MT Holder (CA)	240.00
15-775A-54	Aloris Extra 4MT Holder (CA)	250.00
15-775A-71	Aloris Extra Cutoff Holder 2" height (CA)	405.00
15-775A-BSL187	Aloris Cutoff Blades Self-Locking Throw Away 3/16" (CA)	145.00
13-438VS	Five-Position Carriage Stop - <b>Requires One Position or Micro Carriage Stop – (Sold Separately)</b>	775.00
13-435VS	One-Position Carriage Stop	495.00
13-436VS	Micro Position Carriage Stop	1,140.00
15-AVP	Set of 8 Anti-Vibration Pads	1,100.00
0825323	8" 3-Jaw Setrite Universal Scroll Chuck	2,225.00
1025323	10" 3-Jaw Setrite Universal Scroll Chuck	2,725.00
0826323	8" 6-Jaw Setrite Universal Scroll Chuck	3,225.00
1026323	10" 6-Jaw Setrite Universal Scroll Chuck	3,925.00
1014423	10" 4-Jaw Independent Chuck	2,075.00
1214423	12" 4-Jaw Independent Chuck	2,500.00
1897	Drill Chuck for Tailstock	165.00
7327	5MT to 3JT Arbor for 1897	120.00

**DRO 25" CENTER**

AR10M28100T	2 Axis Acu-Rite 100 DRO	\$ 2,950.00
AR10M28200T	2 Axis Acu-Rite 200 DRO	3,160.00
AR10M28300T	2 Axis Acu-Rite 300 DRO	3,610.00
AR8016CS	2 Axis Acu-Rite 300 DRO w/CSS Control	4,180.00
AR10M28300TTHD	2 Axis Acu-Rite 300 DRO w/Thread Assist	4,550.00
AR8016300CSTHD	2 Axis Acu-Rite 300 DRO w/CSS & Thread Assist	5,130.00
FG1028-PKC	2 Axis Fagor Color DRO	3,160.00
FG1028-PK	2 Axis Fagor LED DRO	2,760.00
NW1026NMS800	2 Axis Newall NMS800 LED DRO	3,375.00

**DRO 50" CENTER**

AR1048100T	2 Axis Acu-Rite 100 DRO	\$ 3,260.00
AR1048200T	2 Axis Acu-Rite 200 DRO	3,470.00
AR1048300T	2 Axis Acu-Rite 300 Color DRO	3,910.00
AR8044CS	2 Axis Acu-Rite 300 DRO w/CSS Control	4,790.00
AR10M54300TTHD	2 Axis Acu-Rite 300 DRO w/Thread Assist	5,150.00

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15" Variable Speed

AR8044300CSTHD	2 Axis Acu-Rite 300 DRO w/CSS & Thread Assist	5,730.00
	<b><u>DRO 50" CENTER continued</u></b>	
FG1052-PKC	2 Axis Fagor Color DRO	\$ 3,770.00
FG1052-PK	2 Axis Fagor LED DRO	3,370.00
NW1050NMS800	2 Axis Newall NMS800 LED DRO	3,625.00
	<b>**See Below Installation Charges**</b>	
	<b>Installation of 2 Axis System</b>	<b>\$ 350.00 NET</b>
	<b>Installation of 2 Axis CSS System</b>	<b>\$ 500.00 NET</b>
	<b>Installation of 2 Axis w/Threading</b>	<b>\$ 500.00 NET</b>
	<b>Installation of 2 Axis w/Threading &amp; CSS System</b>	<b>\$ 650.00 NET</b>
	<b>Installation of Taper Attachment</b>	<b>\$ 200.00 NET</b>

## **Warranty**

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Clousing warrants the machine and control for a period of one year from the date of installation. This warranty does not cover normal wear items such as filters and belts or damage that results from the misuse or abuse of this equipment.

## **FOB Point**

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Kalamazoo, Michigan or Point of Shipment.

## **Delivery**

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Delivery: \_\_\_\_\_, subject to prior sale and any addition of optional equipment.

Quote valid for 30 days.

Due to continual improvements, prices and specifications subject to change without notice.