

For your larger turning needs the CLAUSING/METOSA 20" & 24" Variable Speed or Soft Start Precision Lathes will be a real workhorse in your shop. The 24" Pipe Threading Lathe has an extra large spindle bore and lower spindle speeds for threading, polishing and grinding.



Heavy-duty cast-iron base construction on all 20" and 24" models

Carriage & Apron:

Easy-to-operate controls designed for operator efficiency. The 20" & 24" lathes are equipped with a quick change tool post and the easy-to-read dual inch and metric dials.



Tailstock:

Extra heavy-duty casting for maximum work support and rigidity with a 2.83" ram with 5MT taper. The ram has a graduated scale and handwheel ring that is indexed for accurate ram positioning.



Bed & Bedways:

The extra-wide 13-3/4" bed is scientifically designed with tapered cross braces for fast and easy chip removal and constructed of stabilized cast iron with bedways hardened and ground to a hardness of 42 to 47 Rc. The bed is mounted on a heavy-duty cast iron base that is specially engineered to absorb vibration and ensure smooth, accurate operation.



Standard Equipment:

- ¥ Dual Inch/Metric Dials
- ¥ Dead Centers
- ¥ Q.C. Tool Post with 4 Holders
- ¥ Steady Rest .4" - 4.5" (10 - 115mm)
- ¥ Micro Carriage Stop ¥ 4-Position Bed Stop
- ¥ Coolant System ¥ One-Shot Lubrication
- ¥ Interlocking Chuck Guard
- ¥ Splash Guard ¥ Leadscrew Cover
- ¥ Thread Dial Indicator ¥ Drive Plate
- ¥ Lathe Lamp ¥ T-Slotted Top Slide
- ¥ Electro-Magnetic Brake
- ¥ Chip Pan ¥ Chip Guard ¥ Tool Box & Manual

Electrical:

* 208v. / 230v. / 460v., 60Hz 3-phase

Please specify voltage when ordering.

* 208v is a special order or optional transformer required

* Spindle speed, (rpm)

30 - 44 - 62 - 86 - 110 - 170 - 230
350 - 500 - 750 - 1,100 - 1,500

* Spindle speed big bore, (rpm)

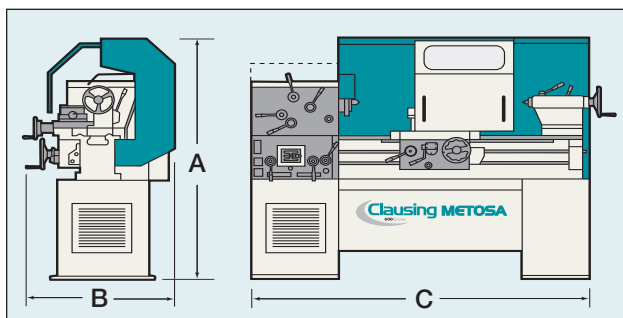
16 - 25 - 36 - 46 - 55 - 85 - 125
160 - 260 - 400 - 600 - 750

20" & 24" GAP BED LATHES

Specifications:	20" Soft Start	20" Variable Speed	24" Soft Start	24" Variable Speed	24" Big Bore
Capacity					
Swing over bed	20.87" (530mm)	20.87" (530mm)	24.41" (620mm)	24.41" (620mm)	24.41" (620mm)
Center height	10.24" (260mm)	10.24" (260mm)	12.20" (310mm)	12.20" (310mm)	12.25" (310mm)
Swing in gap	30.71" (780mm)	30.71" (780mm)	34.65" (880mm)	34.65" (880mm)	34.65" (880mm)
Gap length (in front of face plate)	8.46" (215mm)	8.46" (215mm)	7.87" (200mm)	7.87" (200mm)	7.87" (200mm)
Swing over carriage	18.70" (475mm)	18.70" (475mm)	22.83" (580mm)	22.83" (580mm)	22.83" (580mm)
Swing over cross slide	12.80" (325mm)	12.80" (325mm)	16.73" (425mm)	16.73" (425mm)	16.73" (425mm)
Bed width	13.78" (350mm)	13.78" (350mm)	13.78" (350mm)	13.78" (350mm)	13.78" (350mm)
Headstock					
Spindle bore	2.68" (68mm)	2.68" (68mm)	3.15" (80mm)	3.15" (80mm)	6.10" (155mm)
Spindle nose	D1-8	D1-8	D1-8	D1-8	A2-11
Spindle taper	5MT	5MT	5MT	5MT	5MT
No. spindle speeds (Soft Start)	12*	-	12*	-	12*
Spindle speed (rpm)	30-1500	0-1700	30-1500	0-1700	16-750
No. spindle speeds ranges (VS)	-	3	-	3	-
Low speed range (rpm)	-	0-240	-	0-240	-
Medium speed range (rpm)	-	240-630	-	240-630	-
High speed range (rpm)	-	630-1700	-	630-1700	-
Thread and feed box					
No. of longitudinal feeds	55	55	55	55	55
Range (inches)	0.0018-0.052 (.05-1.5mm)	0.0018-0.052 (.05-1.5mm)	0.0018-0.052 (.05-1.5mm)	0.0018-0.052 (.05-1.5mm)	0.0018-0.052 (.05-1.5mm)
No. of cross feeds	55	55	55	55	55
Range (inches)	0.0005-0.015 (.025-.75mm)	0.0005-0.015 (.025-.75mm)	0.0005-0.015 (.025-.75mm)	0.0005-0.015 (.025-.75mm)	0.0005-0.015 (.025-.75mm)
No. of metric threads	55	55	55	55	55
Range (mm)	0.5-15	0.5-15	0.5-15	0.5-15	0.5-15
No. of inch threads	55	55	55	55	55
Range	2-60	2-60	2-60	2-60	2-60
No. of modular thread	55	55	55	55	55
Range	0.25-7.5	0.25-7.5	0.25-7.5	0.25-7.5	0.25-7.5
No. of diametral pitch threads					
Range	4-120	4-120	4-120	4-120	4-120
Leadscrew dia./TPI	1.38"/4	2.56"	2.56"	2.56"	2.56"
Slide and carriage					
Cross slide travel	13.98" (355mm)	13.98" (355mm)	14.37" (365mm)	14.37" (365mm)	14.37" (365mm)
Compound travel	6.50" (165mm)	6.50" (165mm)	7.08" (180mm)	7.08" (180mm)	7.08" (180mm)
Max. tool size	1" x 1" (25 x 25mm)	1" x 1" (25 x 25mm)	1" x 1" (25 x 25mm)	1" x 1" (25 x 25mm)	1" x 1" (25 x 25mm)
Tailstock					
Tailstock ram diameter	2.83" (725mm)	2.83" (725mm)	2.83" (725mm)	2.83" (725mm)	2.83" (725mm)
Tailstock ram travel	7.09" (180mm)	7.09" (180mm)	7.09" (180mm)	7.09" (180mm)	7.09" (180mm)
Tailstock taper	5MT	5MT	5MT	5MT	5MT
Motors					
Spindle motor	10 Hp (7.5Kw)	12 (8Kw)	10 Hp (7.5Kw)	12 (8Kw)	10 Hp (7.5Kw)
Pump motor	3/4 Hp (.06Kw)	3/4 (.06Kw)	3/4 (.06Kw)	3/4 (.06Kw)	3/4 (.06Kw)

(Specifications subject to change without notification)

Dimensions, Center Distance and Weight:



MODEL	A	B	C	CENTER DISTANCE	WEIGHT
C2045SS/VS	68.1" (1730mm)	41.3" (1050mm)	97.4" (2475mm)	45" (1150mm)	3,726 lbs. (1690Kg)
C2064SS/VS	68.1" (1730mm)	41.3" (1050mm)	117.3" (2980mm)	64" (1625mm)	3,957 lbs. (1795Kg)
C2087SS/VS	68.1" (1730mm)	41.3" (1050mm)	141.7" (3600mm)	87" (2225mm)	4,376 lbs. (1985Kg)
C20124SS/VS	68.1" (1730mm)	41.3" (1050mm)	177.2" (4500mm)	124" (1730mm)	5,026 lbs. (2280Kg)
C2464SS/VS	72.6" (1845mm)	43.3" (1100mm)	117.3" (2980mm)	64" (1625mm)	3,979 lbs. (1805Kg)
C2487SS/VS	72.6" (1845mm)	43.3" (1100mm)	141.7" (3600mm)	87" (2225mm)	4,453 lbs. (2020Kg)
C24124SS/VS	72.6" (1845mm)	43.3" (1100mm)	177.2" (4500mm)	124" (1730mm)	5,302 lbs. (2405Kg)
C2445PT	72.6" (1845mm)	43.3" (1100mm)	107.2" (2725mm)	45" (1150mm)	3,880 lbs. (1760Kg)
C2464PT	72.6" (1845mm)	43.3" (1100mm)	127.2" (3230mm)	64" (1625mm)	4,111 lbs. (1865Kg)
C2487PT	72.6" (1845mm)	43.3" (1100mm)	151.6" (3650mm)	87" (2225mm)	4,585 lbs. (2080Kg)
C24124PT	72.6" (1845mm)	43.3" (1100mm)	187.2" (4755mm)	124" (1730mm)	5,732 lbs. (2600Kg)