

MiniLathe

- Most powerful machine within this size range on the market today. Utilises a powerful 2.2kW (3 HP) pneumatic motor that is entirely engineered and manufactured by KRAIS for the largest end prep systems.
- MiniLathe comes with one of 3 gearboxes as a standard. It gives a wide choice for operator. No need for extra gearbox that reduces the RPM and multiplies the torque - it comes as standard!
- Innovative 6 point locking system assures maximum stability during all machining operations.
- Self-centering 2,75" one piece locking shaft with built in jaws, eliminates the issue of broken or loosening retaining springs and o-rings.
- Only one mandrel and 10 Jaw sets needed to cover machines entire range.
- Wide clamps produce superior clamping force for chatter free end preps.
- Fully portable for on-site and Fab-shop work.
- Available for sale or rent.



STANDARD WORKING RANGE		FEED STROKE	POWER	FREE SPEED	TORQUE		
APPLICATION RANGE	LOCKING RANGE (ID)						
72 - 406 mm	70 - 400 mm	50 mm	3,0 Hp	DEPENDS ON GEARBOX			
2,800 - 16,000"	2,755 - 15,700"	2"					
70 cfm	2,2 m ³ /min	90 PSI	6,2 Bar	25 x 13 x 12"	640 x 330 x 300 mm	75 Lbs	35 kg

LOCKING RANGES WITH STANDARD JAWS

JAWS: ML-42

RANGE [MM]		RANGE [INCH]		SEGMENT		
MIN	MAX	MIN	MAX	A	B	C
70	85	2,756	3,346			
85	100	3,346	3,937	ML-42-A-75		
100	115	3,937	4,528	ML-42-A-150		
115	130	4,528	5,118	ML-42-A-225		
130	145	5,118	5,709	ML-42-A-300		
145	160	5,709	6,299	ML-42-A-375		
160	175	6,299	6,890			ML-42-C
175	190	6,890	7,480	ML-42-A-75		ML-42-C
190	205	7,480	8,071	ML-42-A-150		ML-42-C
205	220	8,071	8,661	ML-42-A-225		ML-42-C
220	235	8,661	9,252	ML-42-A-300		ML-42-C
235	250	9,252	9,843	ML-42-A-375		ML-42-C
250	265	9,843	10,433		ML-42-B	ML-42-C
265	280	10,433	11,024	ML-42-A-75	ML-42-B	ML-42-C
280	295	11,024	11,614	ML-42-A-150	ML-42-B	ML-42-C
295	310	11,614	12,205	ML-42-A-225	ML-42-B	ML-42-C
310	325	12,205	12,795	ML-42-A-300	ML-42-B	ML-42-C
325	340	12,795	13,386	ML-42-A-375	ML-42-B	ML-42-C
340	355	13,386	13,976	ML-42-A-300 ML-42-A-150	ML-42-B	ML-42-C
355	370	13,976	14,567	ML-42-A-300 ML-42-A-225	ML-42-B	ML-42-C
370	385	14,567	15,157	ML-42-A-375 ML-42-A-225	ML-42-B	ML-42-C
385	400	15,157	15,748	ML-42-A-375 ML-42-A-300	ML-42-B	ML-42-C






AVAILABLE GEARBOX

This tool comes with one of 3 gearboxes as a standard. Torque/speed depends on gear configuration.

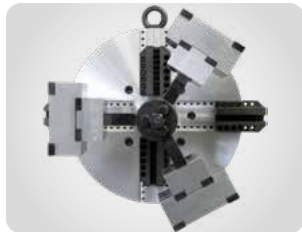
GEARBOX 11	11 RPM	3850 Nm	2840 Ft.Lbs
GEARBOX 15	15 RPM	2615 Nm	1960 Ft.Lbs
GEARBOX 21	21 RPM	1770 Nm	1327 Ft.Lbs

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AVAILABLE HOLDERS

Facing	Inside bevelling and boring	Outside bevelling	J-Prep	Compound bevelling
				
F-45-90 BIT: 2CDI	F-CB-25+2-90 (ADJUSTABLE LENGTH FACING HOLDER FOR THE LAND) BIT: XXXXXXX	IB-45-37 IB-45-10 BIT: 2CDI	OB-45-45 OB-45-37 OB-45-30 OB-45-10 BIT: 2CDI	JP-45-45 JP-45-37 JP-45-30 BIT: 2CDJ-5
				CB-1037 (OTHERS ON REQUEST) BIT: CB-45

ADVANTAGES OF MINILATHE



6 POINT LOCKING JAWS
150 mm (5,9") shaft, assures rigidity when machining heavy wall pipe. The jaws are fully contained within the shaft with no need for retaining springs or O-rings that easily brake or get lost.



POWERFUL MOTOR UNIT
Powerful and efficient drives dedicated for our Lathe series beveling machines. 11 rpm and 3850 Nm (2840 Ft.Lbs) torque on the cutter blade is a standard feature.



HEAVY DUTY PENDANT
Machine is equipped with a heavy duty pendant. This can be attached to both sides of the motor for operator convenience.



SLIDE BEARING
As an option we can supply a bronze slide bearing that delivers more stability and rigidity while machining a very hard materials and heavy wall pipes.

OPTIONAL MOTOR UNITS



DUDE-2000-4-SPEED
For thin wall application (up to 1" / 25,4 mm) is an electric motor DUDE-2000-4-SPEED, which offers 4 speed: 120-210-380-650 RPM



PDE MOTOR
The PipeLathe can also be supplied as an electric version, with a 3200 Watt heavy duty motor.



PDH MOTOR
Optional super strong hydraulic motor. Constructed on the basis of a small hydraulic motor and multistage planetary gear box. HyperLathe version generates 11 rpm and up to 8200 Nm (6050 Ft.Lbs) torque on cutter blade at constant cutting speed.



PDU MOTOR
Powerful and efficient drive dedicated for our Lathe series beveling machines. 0-5 rpm and 12500 Nm (9219 ft.lbs) torque on the cutter blade is a standard feature.

EXAMPLE TOOL APPLICATION



In order to facilitate the assembly of the machine in the pipe, the machine optionally can be equipped with a double-sided yoke with removable extensions so that two people can freely install into the processed pipe.