

MiniLathe

The most powerful machine within its size range on the market today. It utilizes a powerful 3.5 HP pneumatic motor, entirely engineered and manufactured by KRAIS for the largest end prep systems.

- Innovative 6-point locking system ensures maximum stability during all machining operations.
- Self-centering 2.75" one-piece locking shaft with built-in jaws eliminates the issue of broken or loose retaining springs and O-rings.
- Only one mandrel and 10 jaw sets are needed to cover the machine's entire range.
- Wide clamps produce superior clamping force for chatter-free end preps.
- Fully portable for both 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	3,5 Hp	5 Rpm	12500 Nm
2,800 - 16,000"		2,755 - 15,700"		2"			9219 Ft.Lbs
70 cfm		2,2 m³/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

OPTIONAL SERVO DRIVE



EV-2000 SYNC

The machine can be driven by modern, high-tech KRAIS AC servo motor for controlled axis motion. They ensure highly accurate and smooth machine motion. The motor has a rated output of 3 kW, rated speed of 2000 r/min, and rated torque of 14.3 Nm.

OPTIONAL HYDRAULIC DRIVE



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.

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AVAILABLE HOLDERS

Facing	Inside bevelling and boring	Outside bevelling	J-Prep	Compound bevelling
				
F-45-90 BIT: 2CDI	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.

EXAMPLE TOOL APPLICATION



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.