

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.



MINILATHE PERFORMANCE



STANDARD WORKING RANGE*			MOTOR PARAMETERS		
APPLICATION RANGE	LOCKING RANGE (ID)	FEED STROKE	POWER	FREE SPEED	TORQUE
72 – 406 mm	72 – 400 mm	50 mm	3,0 Hp	Depends on gear	
2,800 – 16,000"	2,800 – 15,700"	2"			

RECOMMENDED FOR: Pipe facing ■ Pipe beveling

Air use:	70 cfm	2,2 m ³ /min	Air pressure:	90 PSI	6,2 Bar	Body weight:	35 kg	75 Lbs	Body dim.	640*330*300 mm	25*13*12"
----------	--------	-------------------------	---------------	--------	---------	--------------	-------	--------	-----------	----------------	-----------

* other capacity and locking range are available – please consult factory!

UNIQUE SHAFT DESIGN



70 mm (2,75") 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. 11-21 rpm and 1770-3490 Nm (1327-2620 Ft.Lbs, depend the gear box) torque on the cutter blade is a standard feature.

6 POINTS LOCKING JAWS




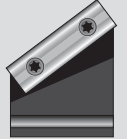
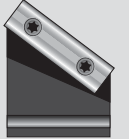

The innovative, 6 points jaws, effectively lock the machine within the pipe, allowing safe, efficient and smooth processing of the tube end.

CHOOSE YOUR GEARBOX

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

3490 Nm / 11 RPM	2620 Ft.Lbs / 11 RPM
2615 Nm / 15 RPM	1960 Ft.Lbs / 15 RPM
1770 Nm / 21 RPM	1327 Ft.Lbs / 21 RPM

HOLDERS FOR MINILATHE

<p>Facing (2CDI insert)</p>  <p>F-45-90</p>	<p>Inside bevelling and boring (2CDI insert)</p>  <p>IB-45-37 IB-45-10</p>	<p>Outside bevelling (2CDI insert)</p>  <p>OB-45-45 OB-45-37 OB-45-30 OB-45-10</p>	<p>J bevelling (2CDJ-Rxx insert)</p>  <p>JP-45-45 JP-45-37 JP-45-30</p>
--	---	---	--

For other tool bits please send your request.

LOCKING RANGES WITH STANDARD JAWS

Jaw set	ID Range [mm]		Segment A	Segment B	Segment C
	Min	Max			
ML-42	70,00	85,00	x	x	x
ML-42	85,00	100,00	ML-42-A-75	x	x
ML-42	100,00	115,00	ML-42-A-150	x	x
ML-42	115,00	130,00	ML-42-A-225	x	x
ML-42	130,00	145,00	ML-42-A-300	x	x
ML-42	145,00	160,00	ML-42-A-375	x	x
ML-42	160,00	175,00	x	x	ML-42-C
ML-42	175,00	190,00	ML-42-A-75	x	ML-42-C
ML-42	190,00	205,00	ML-42-A-150	x	ML-42-C
ML-42	205,00	220,00	ML-42-A-225	x	ML-42-C
ML-42	220,00	235,00	ML-42-A-300	x	ML-42-C
ML-42	235,00	250,00	ML-42-A-375	x	ML-42-C
ML-42	250,00	265,00	x	ML-42-B	ML-42-C
ML-42	265,00	280,00	ML-42-A-75	ML-42-B	ML-42-C
ML-42	280,00	295,00	ML-42-A-150	ML-42-B	ML-42-C
ML-42	295,00	310,00	ML-42-A-225	ML-42-B	ML-42-C
ML-42	310,00	325,00	ML-42-A-300	ML-42-B	ML-42-C
ML-42	325,00	340,00	ML-42-A-375	ML-42-B	ML-42-C
ML-42	340,00	355,00	ML-42-A-300 & ML-42-A-150	ML-42-B	ML-42-C

EXPANDABLE HOLDERS



Machine is equipped with 8" standard cutter head. Optional 12" available on request.

OPTIONAL 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 DOUBLE-SIDED YOKE



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.

HEAVY DUTY PENDANT



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

OPTIONAL MOTOR UNITS



The MiniLathe can also be supplied as an electric version, with a 1750 Watt heavy duty right angle motor drive.



Another option is an hydraulic motor HTP series. Capacity depends on application.