

SmartMill-8

Most powerful machine within this size range on the market today. Utilizes a powerful 2.2 kW (3 HP) pneumatic motor that is entirely engineered and manufactured by KRAIS. SmartMill-8 has a unique construction that has been specifically designed for the largest end prep systems.

- Self-centering 40 mm (1,57") one piece locking shaft.
- Only one mandrel and 6 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.

SmartMill-8 is available for sale or rent.



STANDARD WORKING RANGE				FEED STROKE	FREE SPEED	POWER	TORQUE
APPLICATION RANGE		LOCKING RANGE					
40 - 219 mm		40 - 203,5 mm		50 mm	39 Rpm	3,0 hp	930 Nm
1,574 - 8,622"		1,574 - 8,012"		2"			697 Ft.Lbs
AIR USE		AIR PRESSURE		BODY DIMENSIONS		BODY WEIGHT	
75 cfm	2,2 m³/min	90 PSI	6,2 Bar	22 x 9,25 x 7,48"	560 x 235 x 190 mm	46 Lbs	21 kg

ADVANTAGES OF SMARTMILL-8



UNIQUE SHAFT DESIGN
40 mm (1,57") shaft, assures rigidity when machining heavy wall pipe. Only 6 set of jaws needed to cover the full locking range.



POWERFUL MOTOR UNIT
SmartMill-8 is powered by powerful and efficient drives dedicated for our Lathe series beveling machines.



LIGHTWEIGHT AND PORTABLE
The innovative design made it possible to produce lightweight and portable machine. Small weight of SmartMill-8 allows for fatigue-free operation in all conditions.



HEAVY DUTY HANDLE
Machine is equipped with a solid and convenient aluminium handle.

OPTIONAL SHAFT



30 MM SHAFT
Optional shaft to enable the machine to be used for smaller tubes. The shaft is supplied with complete jaws set to cover up to 2" ID.

OPTIONAL RIGHTANGLE CONFIGURATION



The SmartMill 8 drive can be easily converted into right angle version. It can be achieved thanks to special Rightangle Head, mounted in few minutes between regular drive and machine. The option can be helpful where is not enough space for the in-line version.

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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

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 ELECTRIC MOTOR UNIT



SmartMill-8E is electric version of SmartMill-8. The machine can cover the same pipe sizes and comes with the same cutting head. The electric motor with 4 speed mechanical gear box has also variable speed control and produce enormous torque on the cutter blade. Is interchangeable with pneumatic drive and can be purchased separately at any time.

Take 5 min to replace from pneumatic to electric.

DUDE-2000-4-SPEED

Motor free speed: 120-210-380-650 RPM
Motor power: 2000 Watt
Motor torque (on the 1st gear): 240 Nm (180 Ft.Lbs)
Machine feed stroke: 50 mm (2")
Cutter head speed: 8-14-25-43 rpm
Max torque on cutter blade (on the 1st gear): 3600 Nm (2664 Ft.Lbs)

LOCKING WITH STANDARD JAWS

RANGE [MM]		RANGE [INCH]		SEGMENTS	
MIN	MAX	MIN	MAX	FIRST	NEXT
40,0	55,0	1,575	2,165	SM-42-0	none
55,0	69,5	2,165	2,736	SM-42-1	none
69,5	84,0	2,736	3,307	SM-42-1	ML-42-A-75
84,0	98,5	3,307	3,878		ML-42-A-150
98,5	113,5	3,878	4,469		ML-42-A-225
113,5	128,5	4,469	5,059		ML-42-A-300
128,5	143,5	5,059	5,650		ML-42-A-300
					ML-42-A-75
143,5	158,5	5,650	6,240		ML-42-A-300
					ML-42-A-150
158,5	173,5	6,240	6,831		ML-42-A-300
					ML-42-A-225
173,5	188,5	6,831	7,421		ML-42-A-300
					ML-42-A-225
188,5	203,5	7,421	8,012		ML-42-A-150

SMARTMILL-8 PERFORMANCE



The SmartMill-8 is the most powerful machine in its class currently available on the market.



SMARTMILL-8H – HYDRAULIC VERSION

SmartMill-8H is the hydraulic version of the machine, sharing the same pipe range and cutting head as other 8-series models. Its hydraulic motor delivers high, constant torque for precision cutting, powered by an external unit. The drive is interchangeable with electric or pneumatic versions in just 5 minutes. Its robust yet lightweight design makes it ideal for both field and industrial use.

Motor constant free speed 375 RPM
Oil pressure required 160 bar
Oil flow max 75 l/min
Motor power 16,2 Hp
Machine feed stroke 40 mm (1,6")
Cutter head max free speed 75 RPM
Max constant torque on cutter blade 2200 Nm (1625 Ft.Lbs)
Total machine weight 41 kg