

MiniMill 101

The MiniMill 100 is a rugged, fast, portable weld end preparation lathe designed for various tubes and pipes, including stainless steel and other high chromium materials. Our standard machine can be used for pipe sizes of 20 - 74 mm i.d. (0.787" - 2.913") and comes with a 88 mm cutting head.

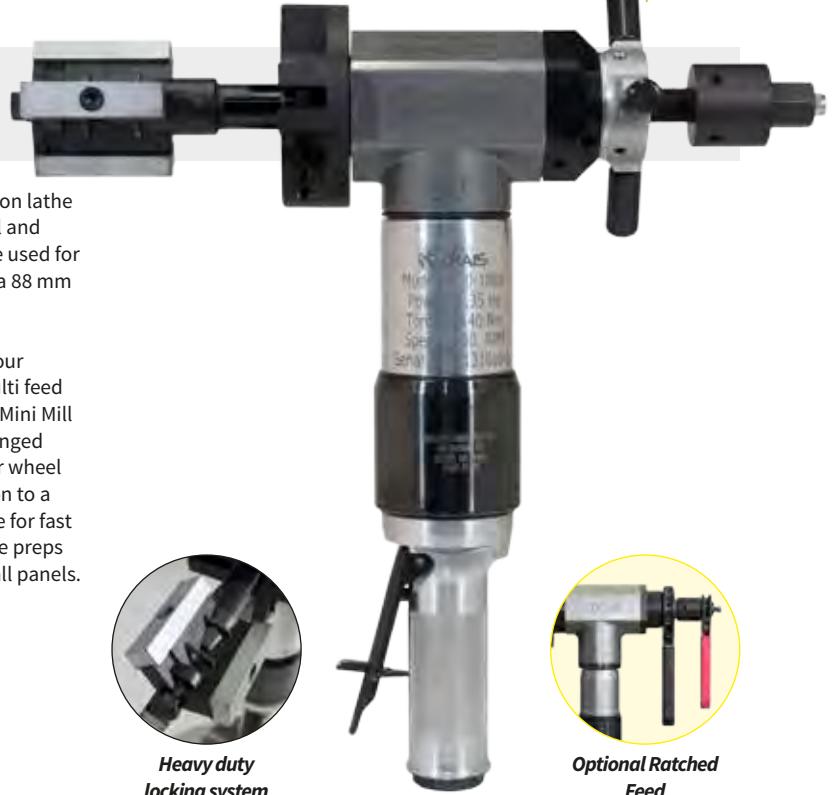


Fitted with our optional multi feed system, the Mini Mill is easily changed from it's star wheel configuration to a ratchet drive for fast and accurate preps on water wall panels.

SAV-500 SPEED ADJUSTMENT VALVE



Perfect solution for all our beveling machines for adjusting cutting speed to suit to the machined tube diameter.



	APPLICATION RANGE	STD. LOCKING RANGE	FREE SPEED	POWER	TORQUE	FEED STROKE
MiniMill 101	20 – 107 mm	20 – 74 mm	100 Rpm	1,3 Hp	140 Nm	20 mm
	0,787 – 4,213 "	0,787 – 2,913 "			105 Ft.Lbs	0,787"

Application: Tube facing ■ Tube bevelling ■ Weld removal

Air use:	55 cfm	1,3 m ³ /min	Body width:	2,32" 59 mm	Body height:	13,1" 335 mm	Body weight:	11,4 Lbs 5,2 kg
-----------------	--------	-------------------------	--------------------	-------------	---------------------	--------------	---------------------	-----------------

MINIMILL 101E

MiniMill 100E is electric version of MiniMill 100. A standard machine cover the same pipe sizes and comes with the same cutting head. The electric motor made by Makita with 3 stage planetary gear box made by KRAIS has variable speed control and produce enormous torque. Is interchangeable with pneumatic drive and can be purchased separately at any time.

Free Speed..... 115 RPM
 Power..... 1,1 Hp
 Torque..... 366 NM (280 Ft.Lbs)
 Feed Stroke..... 20 mm (0,787")



ADDITIONAL ACCESSORIES



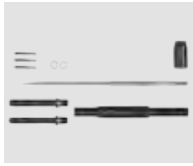
SPEED REDUCER
 Speed reducer can be used for seal and strength weld removal applications including duplex, super duplex and other hard to machine alloys.



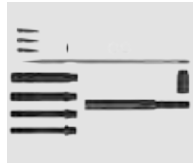
PNEUMATIC CLAMPING SYSTEM
 Perfect accessory for manufacturing plants with high volumes of end preps on tubes and pipes. It offers rapid tube to tube cycle time, increased productivity with minimal operator fatigue. The system can be used for tube facing on condensers and heat exchangers, boiler tube panel fabrication, seal weld removal .



AVAILABLE SHAFTS



MICROSHAFT
A system with inter-changeable guide shafts. A complete set covers 9,0 to 15,0 mm inside diameter.

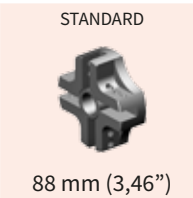


MINISHAFT
A system with inter-changeable guide shafts. A complete set covers 12,7 to 25 mm inside diameter.



SHAFTS 20/25
Redesigned heavy duty locking system. Shafts and jaws are longer and wider to ensure maximum clamping force. The jaws are self-align.

UNIVERSAL CUTTER HEADS



OPTIONAL SPECIALIZED CUTTER HEADS



TFMH Tube facing milling head for facing tubes made of any type of material. Utilizes 6% cobalt inserts.
TABLE PAGE F-21



STWRMH Custom designed head dedicated for strength weld removal. Heads are sized per tube diameter.
TABLE PAGE F-20



SWROTC Seal weld removal head over tube circumference prior to re-welding the damaged joint without removing the tube.
TABLE PAGE F-22



OBMH Outside bevelling of both tubes and pipes. Sized per tube or pipe diameter and angle of required weld bevel.
TABLE PAGE F-21

LOCKING RANGES WITH OPTIONAL MICROSHAFT JAWS

RANGE [MM]		RANGE [INCH]		JAWS NR
MIN	MAX	MIN	MAX	
10,00	11,00	0,394	0,433	301 MM#36
11,00	12,00	0,433	0,472	303 MM#36
12,00	13,00	0,472	0,512	305 MM#36
13,00	14,00	0,512	0,551	307 MM#36
14,00	15,00	0,551	0,591	309 MM#36

MICROSHAFTS SHAFTS NUMBERS

SHAFT NUMBER	SIZE [INCH]	SIZE [MM]	SPRING
800 MM#151	0,354	9,00	O-7
801 MM#151	0,394	10,00	DW-8,5
805 MM#151	0,453	11,00	DW-10

*** other sizes on request

LOCKING RANGES WITH STANDARD SHAFT25 JAWS

RANGE [MM]		RANGE [INCH]		JAWS	EXT.	SPRING	
MIN	MAX	MIN	MAX			NR	QTY.
25	30	0,984	1,181	NS-1	-	SP-24	1
30	35	1,181	1,378	NS-2	-	SP-24	1
35	40	1,378	1,575	NS-3	-	SP-25	2
40	45	1,575	1,772	NS-4	-	SP-25	2
45	50	1,772	1,969	NS-5	-	SP-25	2
50	55	1,969	2,165	NS-6	-	SP-25	2
55	60	2,165	2,362	NS-7	-	SP-25	2
60	65	2,362	2,559	NS-8	-	SP-25	2
62	67	2,441	2,638	NS-5	NS-10	SP-25	2
67	72	2,638	2,835	NS-6	NS-10	SP-25	2
72	77	2,835	3,031	NS-7	NS-10	SP-25	2
77	82	3,031	3,228	NS-8	NS-10	SP-25	2
82	87	3,228	3,425	NS-5	NS-20	SP-25	2
87	92	3,425	3,622	NS-6	NS-20	SP-25	2
92	97	3,622	3,819	NS-7	NS-20	SP-25	2
97	102	3,819	4,016	NS-8	NS-20	SP-25	2
102	107	4,016	4,213	NS-5	NS-30	SP-25	2
107	112	4,213	4,409	NS-6	NS-30	SP-25	2
112	117	4,409	4,606	NS-7	NS-30	SP-25	2
117	122	4,606	4,803	NS-8	NS-30	SP-25	2

LOCKING RANGES WITH OPTIONAL SHAFT20 JAWS

RANGE [MM]		RANGE [INCH]		JAWS	EXT.	SPRING	
MIN	MAX	MIN	MAX			NR	QTY.
20	24	0,787	0,945	NS-0	-	SP-19	1
24	28	0,945	1,102	NS-1	-	SP-19	1

LOCKING RANGES WITH OPTIONAL MINISHAFT JAWS

RANGE [MM]		RANGE [INCH]		JAWS NR
MIN	MAX	MIN	MAX	
12,40	14,50	0,488	0,571	201 MM#36
13,90	16,00	0,547	0,630	203 MM#36
15,90	18,00	0,626	0,709	205 MM#36
16,90	19,00	0,665	0,748	207 MM#36
18,90	21,00	0,744	0,827	209 MM#36
19,90	22,00	0,783	0,866	211 MM#36
20,90	23,00	0,823	0,906	213 MM#36
21,90	24,00	0,862	0,944	214 MM#36
23,60	25,60	0,929	1,008	215 MM#36
25,20	27,20	0,992	1,071	217 MM#36
26,80	28,80	1,055	1,134	219 MM#36
28,40	30,40	1,118	1,197	221 MM#36
30,00	32,00	1,181	1,260	223 MM#36
31,60	33,60	1,244	1,323	225 MM#36
33,20	35,20	1,307	1,386	227 MM#36
34,80	36,80	1,370	1,449	229 MM#36
36,40	38,40	1,433	1,512	231 MM#36
38,00	40,00	1,496	1,575	233 MM#36
39,60	41,60	1,559	1,638	235 MM#36
41,20	43,20	1,622	1,701	237 MM#36
42,80	44,80	1,685	1,764	239 MM#36
44,40	46,40	1,748	1,827	241 MM#36
46,00	48,00	1,811	1,890	243 MM#36

MINISHAFTS SHAFTS NUMBERS

SHAFT NUMBER	SIZE [INCH]	SIZE [MM]	SPRING
901 MM#151	0,492	12,40	DW-11
905 MM#151	0,547	13,90	DW-12,5
909 MM#151	0,665	16,90	DW-15,5
OPTIONAL: 915 MM#151	0,787	20,00	O-17