

MiniMill 300LP

The fastest and strongest facing machine on the market. Engineered for safety and ease of use, featuring a pneumatic locking system with a double piston cylinder. Compact milling head with double cutting edge inserts with 6% cobalt. For all types of material including: ferrous, non-ferrous, stainless and exotic alloys steel, duplex, inconel and titanium.



Optional Star Wheel

The fast locking and the handle feed make this system very efficient for heat exchanger manufacturers.

	APPLICATION RANGE	STD. LOCKING RANGE	FREE SPEED	POWER	TORQUE	FEED STROKE
MiniMill 300LP	12,5 – 38,0 mm	12,5 – 23,0 mm	300 Rpm	1,3 Hp	43 Nm	20 mm
	0,492 – 1,500"	0,492 – 0,900"			32 Ft.Lbs	0,787"

Recommended for **Tube facing and trimming** ■ **Seal weld removal**

Air consumption:	55 CFM	1,3 m³/min	Body width:	2,32"	59 mm	Body height:	13,1"	335 mm	Body weight:	15,43 Lbs	7 kg
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A real application where a customer is shortening a bundle. MiniMill can deal with this task quickly and efficiently.

Double sided inserts and fixed diameter heads ensure unsurpassed efficiency and quality. Mechanical stops ensure identical tube projection.



OPTIONAL SPECIALIZED CUTTER HEADS



TFMH
A tube facing milling head for facing tubes made of any type of material. Utilizes 6% cobalt inserts.
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MMFH
A tube facing milling head suitable for machining tubes manufactured from very hard materials. Utilizes 4-sided carbide inserts.
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STWRMH
Custom designed head dedicated for strength weld removal. Heads are sized per tube diameter.
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AVAILABLE SHAFTS



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



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



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

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.



CUTTER HEAD
General use cutter head, works with all inserts.
66 mm (2,36")

SAV-500 SPEED ADJUSTMENT VALVE



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

LOCKING RANGES WITH STANDARD 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

LOCKING RANGES WITH OPTIONAL MINISHAFT JAWS

RANGE [MM]		RANGE [INCH]		JAWS NR
MIN	MAX	MIN	MAX	
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

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
801 MM#151	0,394	10,00	DW-8,5
805 MM#151	0,453	11,00	DW-10
800 MM#151	0,354	9,00	O-7

LOCKING RANGES WITH OPTIONAL SHAFT 20 JAWS

RANGE [MM]		RANGE [INCH]		JAWS	EXT.	SPRING	
MIN	MAX	MIN	MAX			NUMBER	QTY.
20	24	0,787	0,945	NS-0	-	SP-19	1
24	28	0,945	1,102	NS-1	-	SP-19	1
28	33	1,102	1,299	NS-2	-	SP-19	1
33	38	1,299	1,496	NS-3	-	SP-20	2
38	43	1,496	1,693	NS-4	-	SP-20	2
43	48	1,693	1,890	NS-5	-	SP-20	2