

# TUBE END MILLING UNITS

Made in Germany

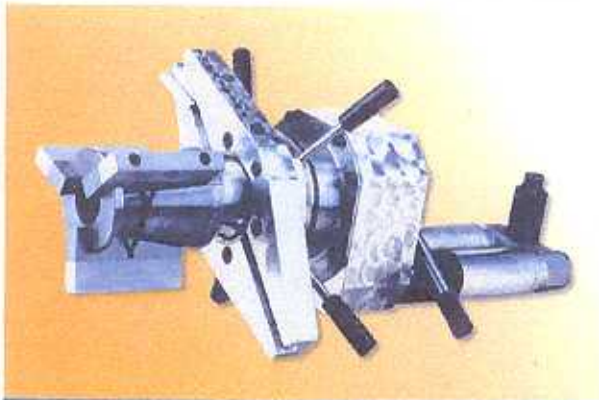
- High metal-removal rate
- Rapid and reliable clamping
- Rugged and compact type of construction
- Easy to handle



# PORTABLE PIPE BEVELING AND CUTTING MACHINES

Made in Germany

- Low weight due to aluminium construction
- Developed and constructed by German boiler manufacturers with "on-site know-how"
- Flexible and reliable use on-site
- Easy and fast operating and clamping



**Pipe beveling**



**Pipe cutting**



**Boiler wall beveling**



**Boiler wall cutting**

Light in weight, the portable units are of a very rugged type of construction. Controllable by a single operator, they are suited for use both in the workshop and on site. Due to their compact, handy construction they can be used even to work under cramped conditions. Their high working speed and quick readiness for use allow economic manufacture.

In the standard version, the units are provided with pneumatic drives, however are in most cases also available with electric drives.

We are quite prepared to assist you in solving your specific machining problems. Please give us the following information, as appropriate

- Tube dimensions ( diameter and wall thickness ) and material
- Desired machining operations and/or forms of weld
- Other conditions, including drawing or sketch, if possible

SURVEY OF AVAILABLE SIZES, TECHNICAL DATA:

### Pipe beveling machines (Internal clamping)

Unit Type	MF3iw	MF3i	MF5i	MF6i-50
Technical Data				
Tube outside diameter [mm]	max.101,6	max.160	max.460	max. 711
Tube outside diameter [inch]	max. 4	max.6,3	max.18,1	max. 28
Tube inside diameter [mm]	16,2-96	25-152	100-448	280-700
Tube inside diameter [inch]	0,6-3,8	1-6	3,9-17,6	11-27,5
Tube wall thickness [mm]	max. 15	max. 25	max. 30	max. 36
Spindle stroke [mm]	20	15	30	50
Weight [kg]	5,8	10,3	23,8	79
Pneumatic Motor [kW]	0,74	0,74	2 x 0,74	3 x 0,74
Electric Motor [kW]	1,2	1,2	2,2	/
Geared air motor	●	●	●	●
Geared electric motor	○	○	○	
Angle air motor		○	○	
Angle electric motor		○		

### Pipe beveling machines (external clamping)

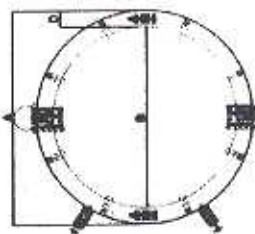
MF3-R	MF4-R	MF2-25	MF3-K	MF3-25	MF4
12-44,5	44,5-88,9	20-38	20-63,5	20-63,5	38-133
0,5-1,75	1,75-3,5	0,8-1,5	0,8-2,5	0,8-2,5	1,5-5,3
min. 9	min. 30	min 12,5	min 12,5	min. 12,5	min. 25
min. 0,4	min. 1,2	min. 0,5	min. 0,5	min. 0,5	min. 1
max. 10	max. 10	max. 15	max. 15	max. 15	max. 25
15	15	25	15	25	15
4,8	6,2	5,6	7,1	8,6	12
0,74	0,74	0,74	0,74	0,74	0,74
1,2	1,2	1,2	1,2	1,2	1,2
●	●	●	●	●	●
○	○	○	○	○	○
			○	○	○
			○	○	○

● Standard version

○ Available special version

### Pipe Cold Cutting System

Type	3-6	4-8	5-10	6-12	8-14	10-16	12-18	14-20	20-24	26-30	32-36
Techn. Data											
Pipe Outside-Ø [mm]	76,2-152,4	101,6-203,2	127-254	152,4-304,8	203,2-355,6	254-406,4	304,8-457,2	355,6-508	508-609,6	660,4-762	812,8-914,4
Wall thickness [mm]	No Limit										
Tpm [min <sup>-1</sup> ]	27	23	20	27	25	23	20	26	23	25	22
A [mm]	308	360	414	465	496	547	602	649	750	920	1068
B [mm]	180	232	286	337	368	419	470	521	622	775	928
C [mm]	87,5	87,5	87,5	87,5	87,5	87,5	87,5	87,5	87,5	87,5	87,5
D [mm]	64	64	64	64	64	64	64	64	64	64	64
E [mm]	127	127	127	127	127	127	127	127	127	127	127



### Boiler wall cutting system

Technical Data	Power [W]	Wall Diameter [mm]	Standard rail length [mm]	Speed [1/min]
Unit Type				
MF BWC 1DL	3500	63,5	4500	4000
MF BWC 1E	2000	63,5	4500	3500