

FMB



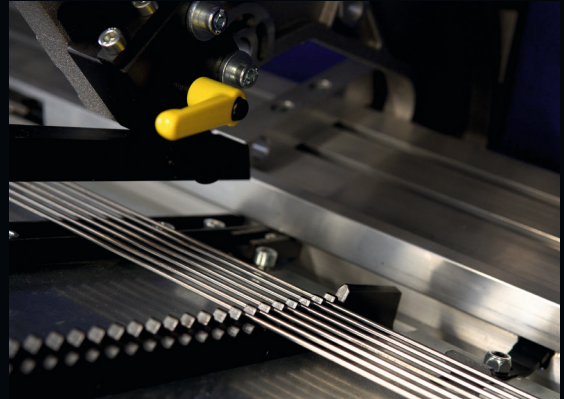
micromag 20

The bar feeder for bar diameters ranging from 0.8mm — 23mm

The FMB bar feeder for sliding headstock machines in the small diameter range. The activatable pilgrim-step-separation ensures a process reliable separation and feeding of material bars with a very small diameter. The one-step feed principle ensures minimal changeover times of the material bars.

The pilgrim-step-separation

The pilgrim-step-separation is an addition to the separation device for material bars with a diameter of 0.8mm to 4 mm. Thanks to the toothed design, each material bar is held in a separate profile and is moved towards the guide channel in a timed motion. This guarantees process-reliable feeding of the smallest material bars into the open guide channel.



Guidance of material bar

The pusher ensures a stable and process reliable feeding of the material bar. Through the linear movement without lateral pivoting the pusher allows a particularly fast change of the material bar. The material bar is pushed in time with the lathe. The guide channel is flooded with oil and is equipped with toolless replaceable inserts that are compatible with the diameter of the material bar (and the passage of the spindle).



The machine base

The bar feeder's base is a torsion-resistant machine base made of extruded aluminium. This main element accommodates all components and ensures a solid and precise support of the material guide and the necessary stability of the bar feeder. The machine bases are manufactured to order by FMB.



The control panel

The mobile 8.4" control panel is touch operated. The intuitive and simple operating concept makes handling it easy for all users.

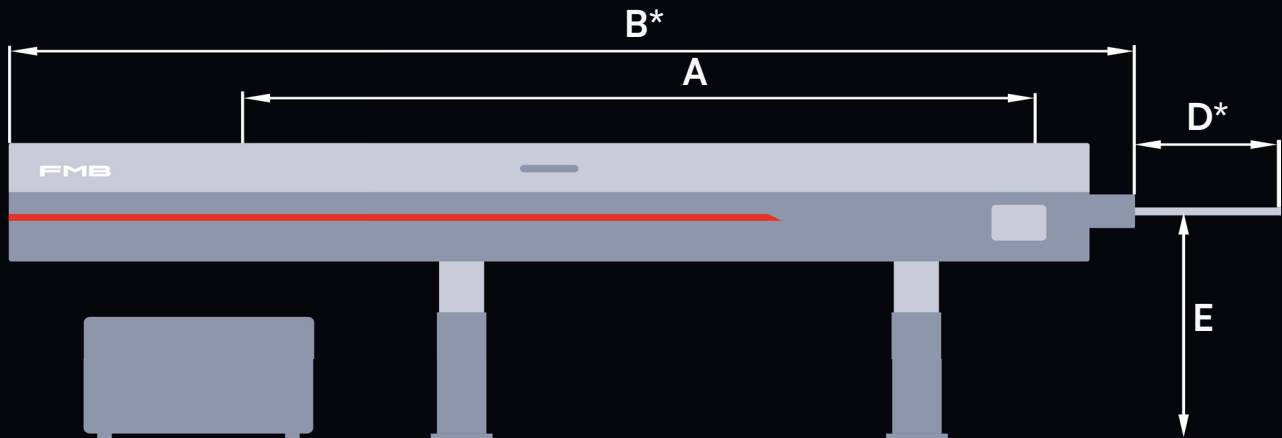


Technical data

	Unit	micromag 20
Ø Pusher (max.)	mm	23
Bar length*	mm	1600 / 3200 / 4200
Ø Material bars (min. - max.)	mm	0,8 - 23
Loading capacity	mm	235
Loading capacity (min. Ø/max. Ø)	pieces	117 with 2 mm / 10 with 23 mm
Remnant length (max.)	mm	320
Loading time**	s	15
Feed speed	mm/s	0 - 750
Reverse speed	mm/s	0 - 750
Operating voltage (50/60 Hz)***	V	3 x 190 - 480
Power consumption	kW	1,5
Compressed air supply	Mpa (bar)	0,6 (6)
Weight****	kg	450 / 600 / 800

*Special lengths upon request; ** Length 3200; ***Will be adjusted according to the lathe's specifications upon delivery;
****without oil filling.

Dimensions



A: Material bar length
B: bar feeder length
C: Width bar feeder

D: Extension length of the pusher
E: Spindle height

Dimensions in mm
* Depending on the pusher

Pusher	1405	1655
	B1	B2
	D1	D2

Length	A	B1 / B2	C	D1 / D2	E
1600	1620	3415 / 3665	557	1165 / 1415	850 - 1250
3200	3220	5015 / 5265	557	1165 / 1415	850 - 1250
4200	4220	6015 / 6295	557	1165 / 1415	850 - 1250

Standardized series of capacity adjustment sets

Capacity adjustment set	05	07	10	15	22
Round Ø (mm)	0,8 - 5	2 - 7	5 - 10	8 - 15	12 - 22
Hexagonal AF (mm)	1 - 3	2 - 4	4 - 7	8 - 11	11 - 17
Square AF (mm)	1 - 2	2 - 4	4 - 6	6 - 9	9 - 14