

turbo 3-36 HD / SFB-310 *eco*

Ø 3 mm - 38 mm

The bar feeder with integrated high pressure unit

A process-reliable and stable material feed, combined with the efficient cooling of the tools and the precise removal of produced chips form the basis for an optimal use of the lathe. The FMB turbo 3-36 HD / SFB-310 eco combines these requirements in particularly user-friendly and space-saving form. The connection of the proven FMB bar feeder technology with the innovative and energy efficient high pressure technology of SF-Systeme BÜCHELE in a compact unit set new standards for usability and handling.

Bar feeders



Portable control panel with integrated magnet holders for the flexible attachment in the work environment of the operator

Simple and convenient - the ERGOlogic control ...

- Modern touch control with a large 8.4" screen allows an intuitive operating concept for a short training period.
- The adjustments of the bar feeder and the high pressure unit can be made centrally through the portable control panel.

Efficient and practice-oriented handling ...

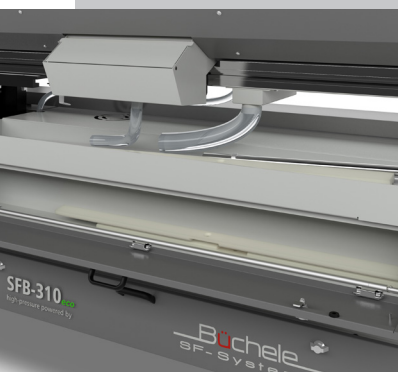
- Fast and easy replacement of the inserts makes the efficient adaption of the guide channel to different material diameters possible - inserts, pushers and collets can be put in the integrated storage options.
- Optimal accessibility for cleaning and service activities of the high pressure unit thanks to removable tank- and pump module.

Solid design ...

- Torsion-resistant machine base made of extruded aluminium and inserts made of plastic guarantee the highest vibration dampening.

Optimal production ...

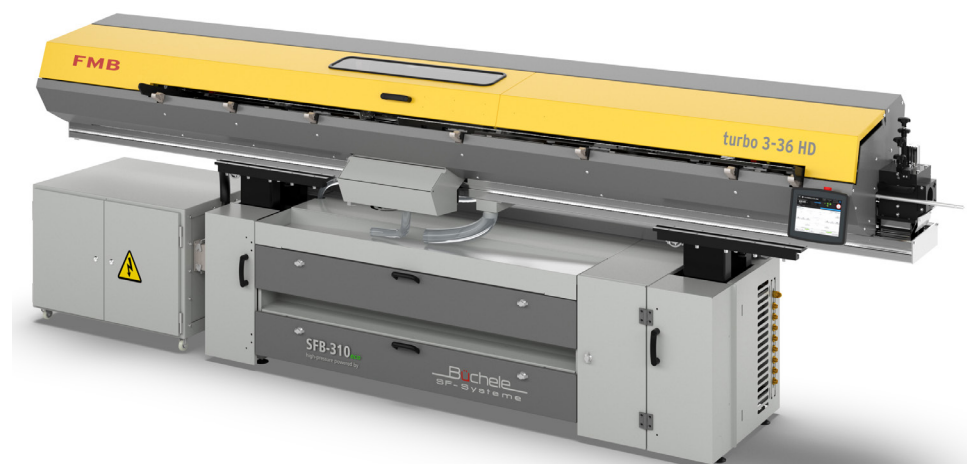
- The guide steady in combination with the following guide tube or telescopic tube guarantees an ideal guidance, even of small bar diameters in a bigger guide channel.
- Depending on the choice of the pump, up to 8 nozzles respectively tools can be supplied independently with cutting oil or emulsion for cooling and for removal of the chips with a maximum of 100/150 bar with 28/24 l/min.



Integrated storage option for interchangeable parts like inserts, pusher and collets



Removable tank- and pump module allows good accessibility for the tank cleaning

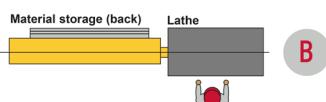
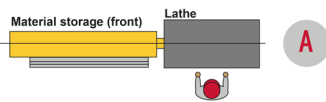


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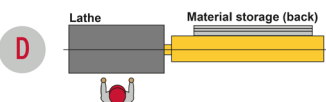
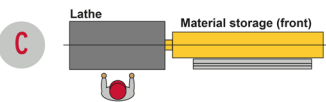
Technical data

Loading possibilities

Feeding from left



Feeding from right



The bar feeder with integrated high pressure unit

	Unit	turbo 3-36 HD
Ø Pusher (max.)	mm	38
Bar length ¹⁾	mm	3200
Ø Bar (min. - max.)	mm	3 - 38
Loading capacity	mm	200
Loading capacity (min. Ø/max. Ø)	St.	66 with 3 mm/5 with 38 mm
Remnant length (max.)	mm	450
Loading time*	s	20
Feed speed	mm/s	0 - 1000
Reverse speed	mm/s	0 - 2000
Operating voltage (50/60 Hz)	V	3 x 190 - 480 ²⁾
Power consumption	kW	2,0
Compressed air supply	Mpa (bar)	0,6 (6)
Weight without oil filling	kg	950

¹⁾ Special lengths upon request.

²⁾ Will be adjusted according to the lathe's specifications upon delivery.

* According to FMB standard cycle

	Unit	SFB-310 <i>eco</i>	
Version of the pump	bar	100	150
Feed rate	l/min	28	24
Tank capacity ¹⁾	l	200	
Filter fineness	µm	40	
Filter area	cm ²	6370	
Operating voltage (50 Hz)	V	3 x 400	
Power consumption	kW	7	9

¹⁾ Medium: cutting oil min 8 mm²/sec., water emulsion: min. 10% of oil.

