

Micromag 20

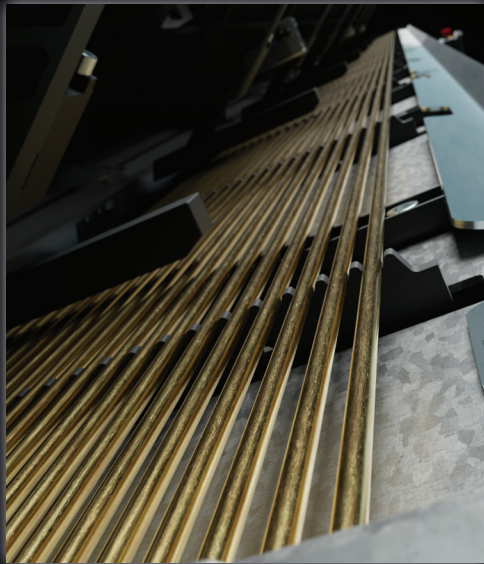
Automatic Magazine Bar Feeder for Fixed and Sliding Headstock CNC Lathes

EDGE ○○○
TECHNOLOGIES

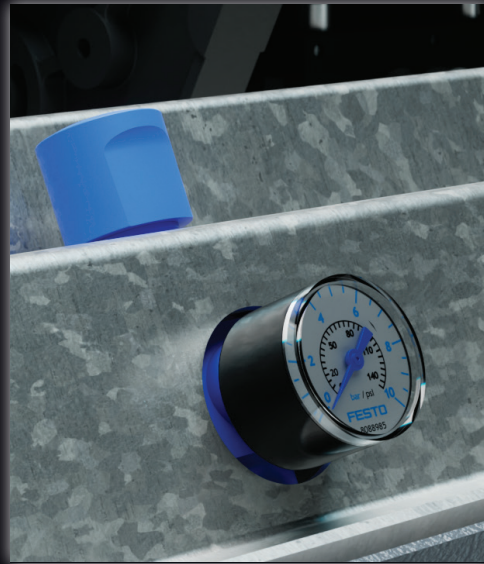


*Diameter range: 0.8mm to 20mm (0.031" to 0.787")
22mm (0.866") max with bar prep.*

Bar length: 1000mm to 3800mm (39.4" to 12'5")



Walking beam separation. A sawtooth walking beam moves bars forward in a stepping motion, keeping them spaced apart, to prevent bars from jamming or misloading.



Soft grip technology. An option to switch to an air pressure controlled soft bar gripper protects delicate surfaces and sensitive materials from getting damaged.



Single bar pusher. The design substantially reduces bar change time.

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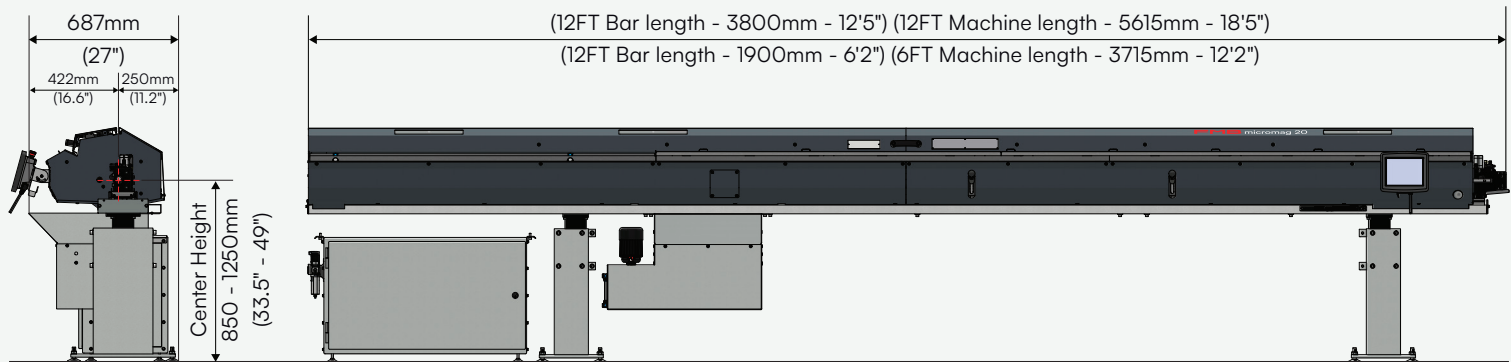
Technical Data

Bar diameter 0.8mm - 22mm (0.031" - 0.866")	Operating voltage 230-400 V/60 Hz - 3 phase
Bar length 1000mm - 3800mm (39.4" - 12'5")	Control voltage 24V DC
Magazine rack capacity 228.6mm (9") or 21 bars 4mm or less	Oil capacity 50 liters (13.2 gallons)
Maximum remnant length 320mm (12.59")	Oil viscosity ISO 64 cST - Machine oil ISO BG32 - Air oil
Bar loading cycle time Approx. 25 sec for 12' bars	Compressed Air Supply (6 bar) - 90 psi
Feed force (pusher torque) Max 300 N, adjustable	Compressed air consumption ~3 liters per loading cycle
Forward feed rate 300mm/sec (710in/min) max, adjustable	Machine weight (without oil) 885 kg (1950 lbs)
Return feed rate 601mm/sec (1420in/min) max, adjustable	Material straightness specification 0.007" TIR/foot of material (V blocks, 6" equidistant)
Power consumption 1.5 kW/2 kVA	

Guide Channel Sizes

Guide Channel Sets	Pusher Diameter	Minimum Bar Size	Maximum Bar Size	*Maximum Bar Size with Front Remnant Expulsion
Ø 5mm	5mm	0.8mm (0.031")	4mm (0.157")	5mm (0.196")
Ø 7mm	7mm	2mm (0.078")	6.4mm (0.250")	7mm (0.275")
Ø 10mm	10mm	3mm (0.118")	8mm (0.315")	10mm (0.393")
Ø 12mm	12mm	2.4mm (0.094")	10.4mm (0.409")	12mm (0.472")
Ø 13mm	13mm	3mm (0.118")	11.1mm (0.437")	13mm (0.511")
Ø 15mm	15mm	5mm (0.196")	13mm (0.511")	15mm (0.590")
Ø 18mm	18mm	6.5mm (0.255")	16mm (0.629")	18mm (0.708")
Ø 20mm	20mm	8mm (0.315")	18mm (0.708")	20mm (0.787")
Ø 22mm	22mm	8mm (0.315")	20mm (0.787")	22mm (0.866")

* This max diameter is attainable only if remnant is ejected through the lathe spindle or if one end of the bar stock is turned down to a smaller O.D. to accept a small O.D. collet.



Edge Technologies

Bar feeding has remained the focus at Edge Technologies for 40+ years. Experience and breadth of model offerings drive our customer-centric approach to solving your bar feeding needs. Service, parts, and technical support have always been the backbone of the company, because we understand that performance and up-time of a bar feeder is a difference maker to your bottom line.

Scan here for more information about the Micromag



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