

FMB Turbo 3-38 & 3-26

Automatic Magazine Bar Feeder for Fixed and Sliding Headstock CNC Lathes

EDGE TECHNOLOGIES

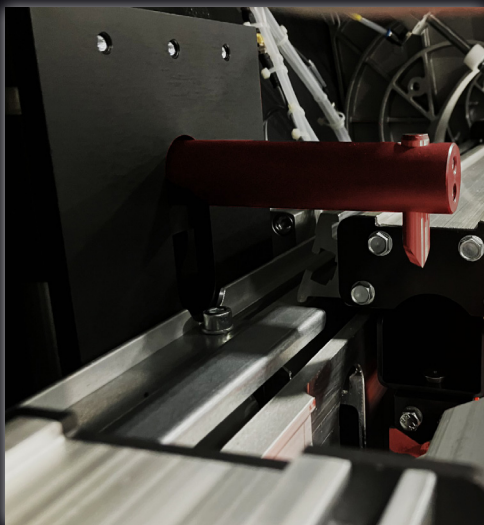


Diameter range: 3mm to 38mm (0.118" to 1.417")
42mm (1.653") max with bar prep

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

Diameter range: 3mm to 26mm (0.118" to 1.023")
28mm (1.102") max with bar prep

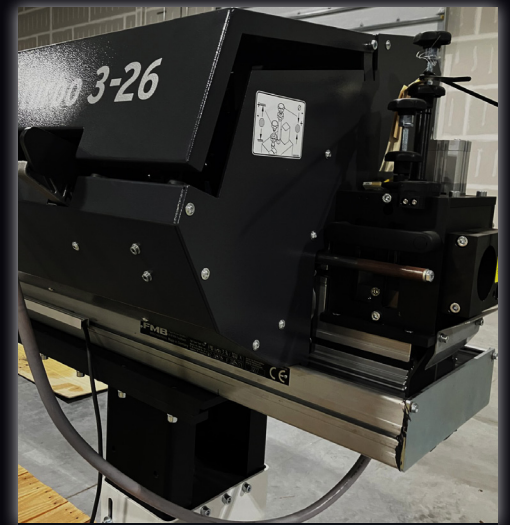
Bar length: 1000mm to 3800mm (39.4" to 12'5")



Self-centering gripper. The self-adjusting design inserts material into the bar stock collet maintenance free. Remnant is retracted and ejected into a pan below. A remnant flap allows for short bars, to optimize remnant length.



Conversational HMI. User-friendly software delivers fast setup on easier jobs and powerful advanced features for more sophisticated demands.



Machine support. Extruded aluminium provides a solid base that supports the guide channel sets, giving them the largest range in the industry. The extrusion offers a great deal of modularity, making each solution easy to customize.

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Technical Data

Bar diameter

Turbo 3-26: 3mm - 28mm
(0.118" - 1.102")

Turbo 3-38: 3mm - 42mm
(0.118" - 1.653")

Bar length

1000mm - 3800mm
(39.4" - 12'5")

Magazine rack capacity

279.4mm (11")

Maximum remnant length

450mm (17.71")

Bar loading cycle time

Approx. 30 sec for 12' bars

Feed force (pusher torque)

Max 450 N, adjustable

Forward feed rate

592mm/sec (1400in/min)
max, adjustable

Return feed rate

1000mm/sec (2360in/min)
max, adjustable

Power consumption

1.5 kW/2 kVA

Operating voltage

230-400 V/60 Hz - 3
phase

Control voltage

24V DC

Oil capacity

57 liters (15 gallons)

Oil viscosity

ISO 100 cST - Machine oil
ISO BG32 - Air oil

Compressed air supply

(6 bar) - 90 psi

Compressed air consumption

~10 liters per loading cycle

Machine weight (without oil)

1373 kg (3025 lbs)

Material straightness specification

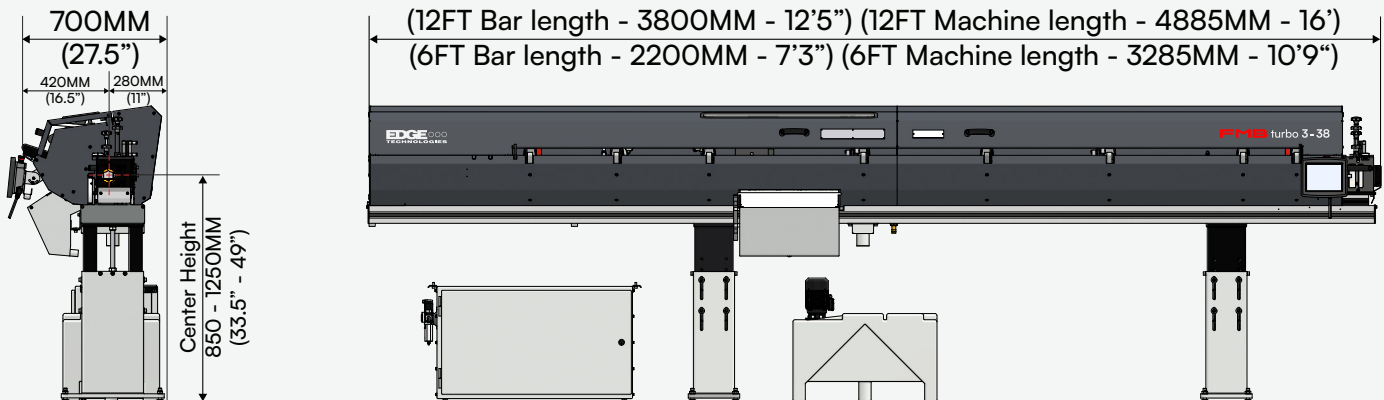
0.007" TIR/foot of material
(V blocks, 6" equidistant)

Guide Channel Sizes

FMB Turbo 3-26	Guide Channel Sets	Pusher Dia.	Min. Bar Size	Max. Bar Size	Max. Bar Size with Front Remnant Expulsion*
	Ø 7mm	7mm	3mm (0.118")	6.4mm (0.250")	7mm (0.275")
	Ø 10mm	10mm	3mm (0.118")	8mm (0.315")	10mm (0.393")
	Ø 12mm	12mm	3mm (0.118")	10.4mm (0.409")	12mm (0.472")
	Ø 15mm	15mm	3.2mm (0.125")	13.5mm (0.531")	15mm (0.590")
	Ø 18mm	18mm	3.2mm (0.125")	16mm (0.625")	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")
	Ø 25mm	25mm	10mm (0.393")	23mm (0.905")	25mm (0.984")
	Ø 28mm	27 or 28mm	10mm (0.393")	26mm (1.023")	28mm (1.102")
	Ø 32mm	32mm	10mm (0.393")	30mm (1.181")	32mm (1.259")
	Ø 34mm	34mm	12.7 (0.500")	31.75mm (1.250")	34mm (1.338")
	Ø 36mm	35 or 36mm	12.7 (0.500")	33.3mm (1.312")	36mm (1.417")
	Ø 38mm	38mm	12.7 (0.500")	36mm (1.417")	38mm (1.500")
	Ø 42mm	42mm	17mm (0.669")	38mm (1.515")	42mm (1.653")

* 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.

FMB Turbo 3-38



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 FMB Turbo 3-38



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