

FMB Turbo 5-55 & 5-65

Automatic Magazine Bar Feeder for Fixed and Sliding Headstock CNC Lathes

EDGE TECHNOLOGIES

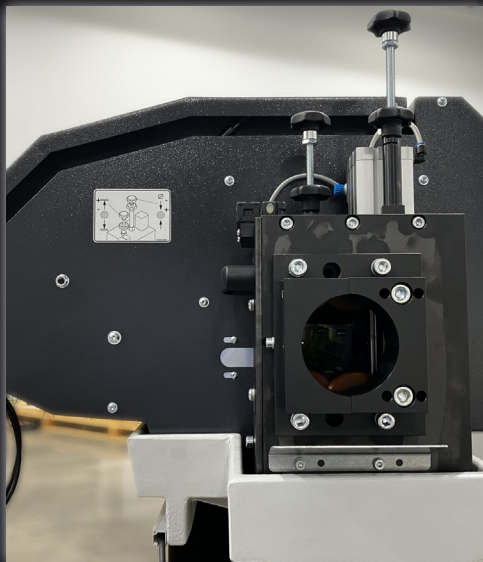


Diameter range: 4mm to 51mm (0.157" to 2.007")
55mm (2.165") max with bar prep

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

Diameter range: 5mm to 63.5mm (0.196" to 2.500")
57mm (2.637") max with bar prep

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



Cast iron base. Gray cast iron dampens vibrations 10x more than steel, ensuring smooth machining of heavy bar stock.



Hood shock. The hood shock extends the height of the cover, to safely and efficiently load bar stock from overhead.



Quick guide channel changeovers. Changeovers take minutes. Guide channels are designed to provide the best range in the industry, requiring fewer setups. Auto Adjust is an option on the 5-65.

FMB Turbo 5-55 & 5-65

Automatic Magazine Bar Feeder for Fixed and Sliding Headstock CNC Lathes



Technical Data

Bar diameter

Turbo 5-55: 5mm - 55mm
(0.196" - 2.165")

Turbo 5-65: 5mm - 67mm
(0.196" - 2.637")

Bar length

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

Magazine rack capacity

279.4mm (11")

Magazine rack angle

adjustable 6-20°

Maximum remnant length

530mm (18.90")

Bar loading cycle time

Approx. 35 sec for 12' bars

Feed force (pusher torque)

Max 750 N, adjustable

Forward feed rate

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

Return feed rate

698.5mm/sec (0-1650in/min) max, adjustable

Power consumption

2.5 kW/3.125 kVA

Operating voltage

230-400 V /

60 Hz - 3 phase

Control voltage

24V DC

Oil capacity

80 liters (22 gallons)

Oil viscosity

ISO 150 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)

Turbo 5-55: 2,794 kg
(6,160 lbs)

Turbo 5-65: 2,903 kg
(6,400 lbs)

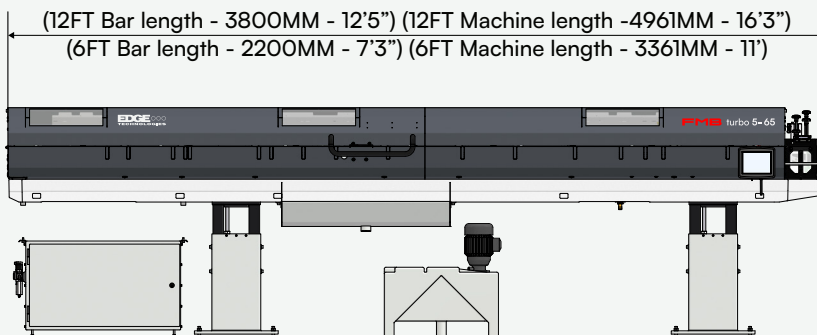
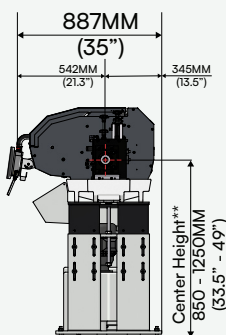
Material straightness specification

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

Guide Channel Sizes

	Guide Channel Sets	Pusher Dia.	Min. Bar Size	Max. Bar Size	Max. Bar Size with Front Remnant Expulsion*
FMB Turbo 5-55	Ø 10mm	10mm	5mm (0.196")	8mm (0.315")	10mm (0.393")
	Ø 15mm	15mm	5mm (0.196")	13mm (0.511")	15mm (0.590")
	Ø 20mm	20mm	6mm (0.236")	17.5mm (0.688")	20mm (0.787")
	Ø 25mm	25mm	10mm (0.393")	23mm (0.905")	25mm (0.984")
	Ø 32mm	32mm	10mm (0.393")	29mm (1.141")	32mm (1.259")
	Ø 36mm	36mm	12.7 (0.500")	33mm (1.299")	36mm (1.417")
	Ø 38mm	37 or 38mm	12.7 (0.500")	35mm (1.378")	38mm (1.500")
	Ø 42mm	42mm	17mm (0.669")	38.5mm (1.515")	42mm (1.653")
	Ø 45mm	45mm	19mm (0.750")	42mm (1.653")	45mm (1.771")
	Ø 51mm	51mm	25.4mm (1.000")	48.7mm (1.917")	51mm (2.007")
	Ø 55mm	55mm	25.4mm (1.000")	51mm (2.007")	55mm (2.165")
	Ø 60mm	60mm	35mm (1.378")	56mm (2.204")	60mm (2.362")
	Ø 65mm	65mm	40mm (1.574")	62mm (2.440")	65mm (2.559")
	Ø 67mm	67mm	40mm (1.574")	63.5mm (2.500")	67mm (2.637")
FMB Turbo 5-65					

* 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 FMB Turbo 5-65



314.692.8388

15703 Westport Commerce Drive
Maryland Heights, MO 63146

www.edgetechnologies.com