

Scout 320 SE

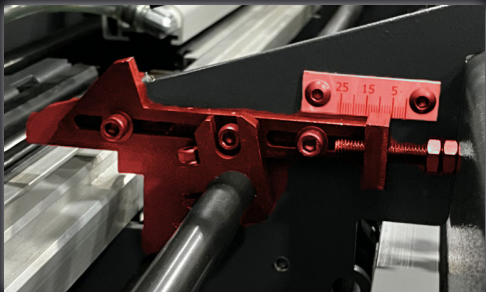
Automatic Magazine Bar Feeder for Fixed and Sliding Headstock CNC Lathes

EDGE 
TECHNOLOGIES



*Diameter range: 3mm to 25.4mm (0.118" to 1.000")
27mm (1.062") max with bar prep.*

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



Adjustable Bar Separator. A knob in front allows for diameter changes in seconds.



Moveable Steady. Edge Technologies' proven specialized moveable steady mounts directly to the back of the headstock, eliminating vibration, harmonics, the jump rope effect of the bar.



Touchscreen HMI Control. The HMI is user friendly with 300-part program storage. Schneider PLC motion control is Ethernet ready. The software is the same across all Edge Technologies products.

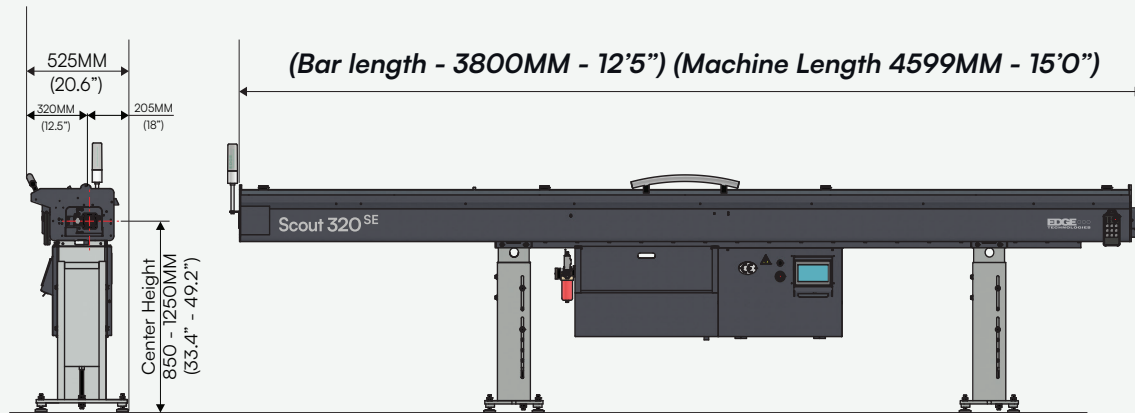
Technical Specifications

Bar diameter 3mm to 27mm (0.118" to 1.062")	Control voltage 24V DC
Bar length 1000mm (39.4") - 3800mm (12'5")	Oil capacity 46 liters (12 gallons)
Maximum remnant length 420mm (16.5")	Oil viscosity ISO 64 cST - Machine oil ISO BG32 - Air oil
Bar loading cycle time Approx. 35 seconds for 12' bars	Compressed air supply (6 bar) - 90 psi
Feed force (pusher torque) Max 450 N, adjustable	Compressed air consumption ~8 liters per loading cycle
Forward feed rate 593mm/sec (1400 in/min) max, adjustable	Machine weight (without oil) 463 kgs (1020 lbs)
Return feed rate 1000mm/sec (2360 in/min) max, adjustable	Material straightness specification 0.007" TIR/foot of material (V blocks, 6" equidistant)
Power consumption 1.5 kW/2 kVA	300 Part Program Storage
Operating voltage 230 V/60 Hz - 3 phase	PLC motion control is Ethernet ready.

Guide Channel Sizes

Guide Channel Sets	Pusher Dia.	Min. Bar Size	Max. Bar Size	Max. Bar Size with Front Remnant Expulsion*
Ø 8mm	7.5mm	3mm (0.118")	6.4mm (0.250")	7mm (0.275")
Ø 11mm	10mm	3mm (0.118")	9mm (0.354")	10mm (0.393")
Ø 14mm	12mm	3.2mm (0.125")	11mm (0.433")	13mm (0.512")
Ø 16mm	15mm	5mm (0.196")	12.7mm (0.500")	15mm (0.594")
Ø 18mm	16mm	5mm (0.196")	14.2mm (0.562")	17mm (0.669")
Ø 20mm	18mm	8mm (0.315")	16.26mm (0.640")	19mm (0.750")
Ø 22mm	20mm	8mm (0.315")	19mm (0.750")	21mm (0.826")
Ø 24mm	22mm	8mm (0.315")	20mm (0.787")	23mm (0.905")
Ø 28mm	26mm	10mm (0.395")	25.4mm (1.000")	27mm (1.062")

* 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 Scout 320

