



700 WEST BROADWAY ALTON, IL 62002
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24" X 120" ABBOTT ROLL GRINDER
STOCK #: A-5000 YEAR BUILT: 2024

SPECIFICATIONS

Max. Swing Over Table:	28"
Nominal Distance between Centers	120"
Max Part Weight between Centers	10,000lbs.

WHEELHEAD

Max. Crossfeed	16"
Grinding Wheel Size	30" x 2" - 4" x 12"
Grinding Wheel Speeds, Variable	0 – 1200 rpm
Infeed	Ballscrew
Spindle	Hydrostatic

HEADSTOCK

Taper in Workhead	#15 B&S
Workhead Speeds, Variable	0 – 150 rpm

FOOTSTOCK

Taper in Footstock	#15 B&S
Tailstock Type	2 piece
Quill Movement	8"
Movement	Rack & Pinion

TABLE

Table Speeds, Variable	0 – 120 IPM
Table Type	1 piece
Table Traverse	Rack and Pinion

CROSS TRAVERSE & SIZING

Wheelhead movement per rev. of handwheel	1/16"
Min. Infeed increment on Diameter	.0001"
Max. Auto. Pickfeed at Table Reversal	.0012"

Min. Auto. Pickfeed at Table Reversal	.0002"
Power Cross Traverse Rate	16 IPM
Wheelhead (spindle) Motor	Fanuc 30kw
Headstock Motor	Fanuc 40nm
Table Drive / Infeed Motor	Fanuc 30nm

Power Requirements:

Base machine as described herein 480/3/60, approx. 125amp.

Control Specifications: AGQ3000 Touch Screen Conversational Control

20" Fanuc PLC Control Screen
Least Input Increment of 0.00010"
Manual Pulse Generator
Programmable feeds and speed
Crowning
Continuous infeed
Taper compensation
End infeed, either end or both ends
End Dwell (Tarry) Programmable
RPM Readout of Wheel and Work Speeds
IPM display of table traverse.
Spindle percentage load meter

STANDARD EQUIPMENT

Heavy Duty Headstock
Footstock with Diamond Holder
Wheel Mount
Wheel Lifter
Telescoping Table Way Covers
Splash Guards
Tachometers for work and wheel RPM
Spindle Load Meter
Mirror Attachment
2 Dead Centers

WEIGHT & DIMENSION

Approximate net weight	45,300 lbs.
Approximate Floor Space	32' X 12' X 6'

OPTIONS

Abbott Versagrind
Abbott GEM Super Finisher

Coolant Filtration System
SBS Automatic Wheel Balance
Mist Collector
Steady Rest
Journal Rest
Equalizer Drive
Extra Wheel Mounts
Live Centers