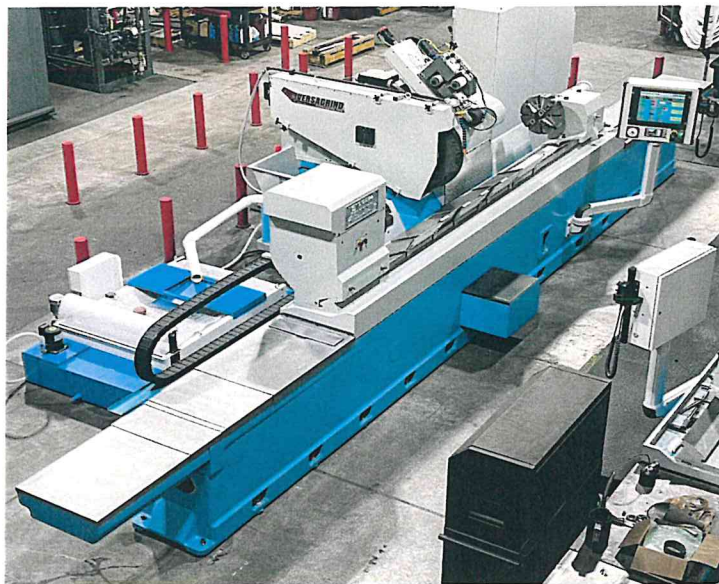




700 WEST BROADWAY ALTON, IL 62002
618.465.1898 FAX 618.465.2495
abbottmachineco.com

24" X 48" ABBOTT GRINDER



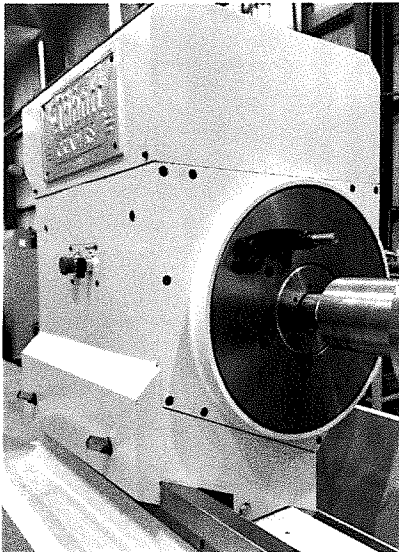
MACHINE SPECIFICATIONS

GENERAL SPECIFICATIONS

Maximum Swing Over Table	28"
Maximum Grind Diameter	24"
Nominal Distance Between Centers	48"
Maximum Weight BTC	6,500lbs.

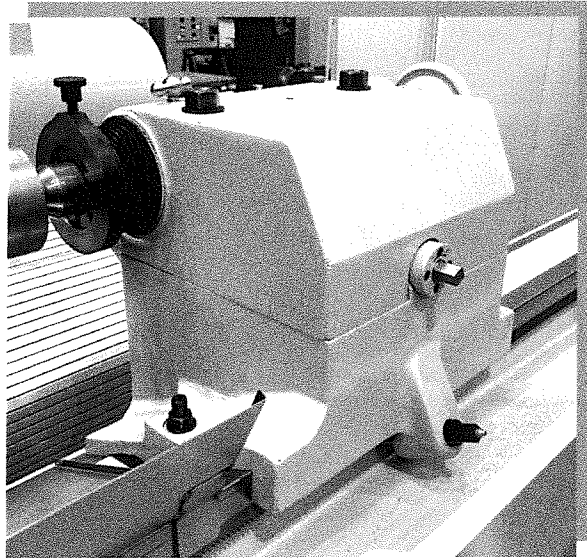
WHEELHEAD

Maximum Cross Feed	16"
Grinding Wheel Size	36" X 2"-4" X 12"
Grinding Wheel Speeds, Variable	0 – 1200 RPM
Spindle Diameter	6"
Spindle Motor	Fanuc
Infeed Ball Screw	63 MM
Infeed Servo Motor	Fanuc
Feedback	Fagor Scale



HEADSTOCK

Workhead Center Taper	#6 Morse Taper
Workhead Speeds, Variable	0 – 200 RPM
Headstock Motor	Fanuc
Jog Forward and Reverse	
Belt Drive	
E-Stop	



TAILSTOCK

Tailstock Center Taper	#6 Morse Taper
Tailstock Type	2 Piece
Quill Diameter	4"
Quill Movement	4"
Movement	Rack / Pinion

TABLE

Table Speeds, Variable	0 – 120 IPM
Table Type	1 Piece
Table Top	Angled
Table Drive	Rack and Pinion
Table Traverse Motor	Fanuc
Feedback	Fanuc encoder

POWER REQUIREMENTS

Based On Machine Described Herein

480V/3/60 – 100 AMP

ABBOTT GRIND QUICK CONTROL SPECIFICATION



OPERATOR STATION

Machine Mounted
 Conversational Control
 21.5" Fanuc PLC Touch Screen
 Manual Pulse Generator with dead man and e-stop

GRIND CYCLES

Programmable Speeds and Feeds
 Crowning
 Continuous Infeed
 Taper Compensation
 Speed Grind
 Taper grind (reliefs)
 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 Meters

EQUIPMENT

Wheel Mount
 Wheel Lifter
 Telescoping Table Way Covers

Coolant splash Guards
Mirror Attachment
2 dead Centers
Tailstock Mounted Wheel Dresser

WEIGHT AND DEMINSIONS

Approximate Net Weight	28,000 lbs.
Approximate Floor Space	14' X 12' X 6'

OPTIONS

VERSAGRIND

2.75" x 160" Belt Size
4" Take up
Electronic Belt Tracking

Steady Rest

Manual Adjustment
1" – 8" Diameter Range

Abbott Coolant Filtration

Paper / Magnetic
Liquid level indicator mounted on tank
Integrated into Abbott Grinding Control
1 Year Warranty

MIST COLLECTOR

Integrated into Abbott grinding control
On / off with Spindle
Floor mount or wall mount

JOURNAL REST / EQAULIZER DRIVE

Pair Journal rest 2" to 14" Journal capacity

Equalizer drive

ABBOTT GEM SUPER-FINISHER

Model 042050

4" x 100' long film capacity

Integrated with Abbott Grinding control

Automatic cycles

Warranty

One (1) year warranty on all mechanical components

Two (2) year warranty on all Fanuc Components