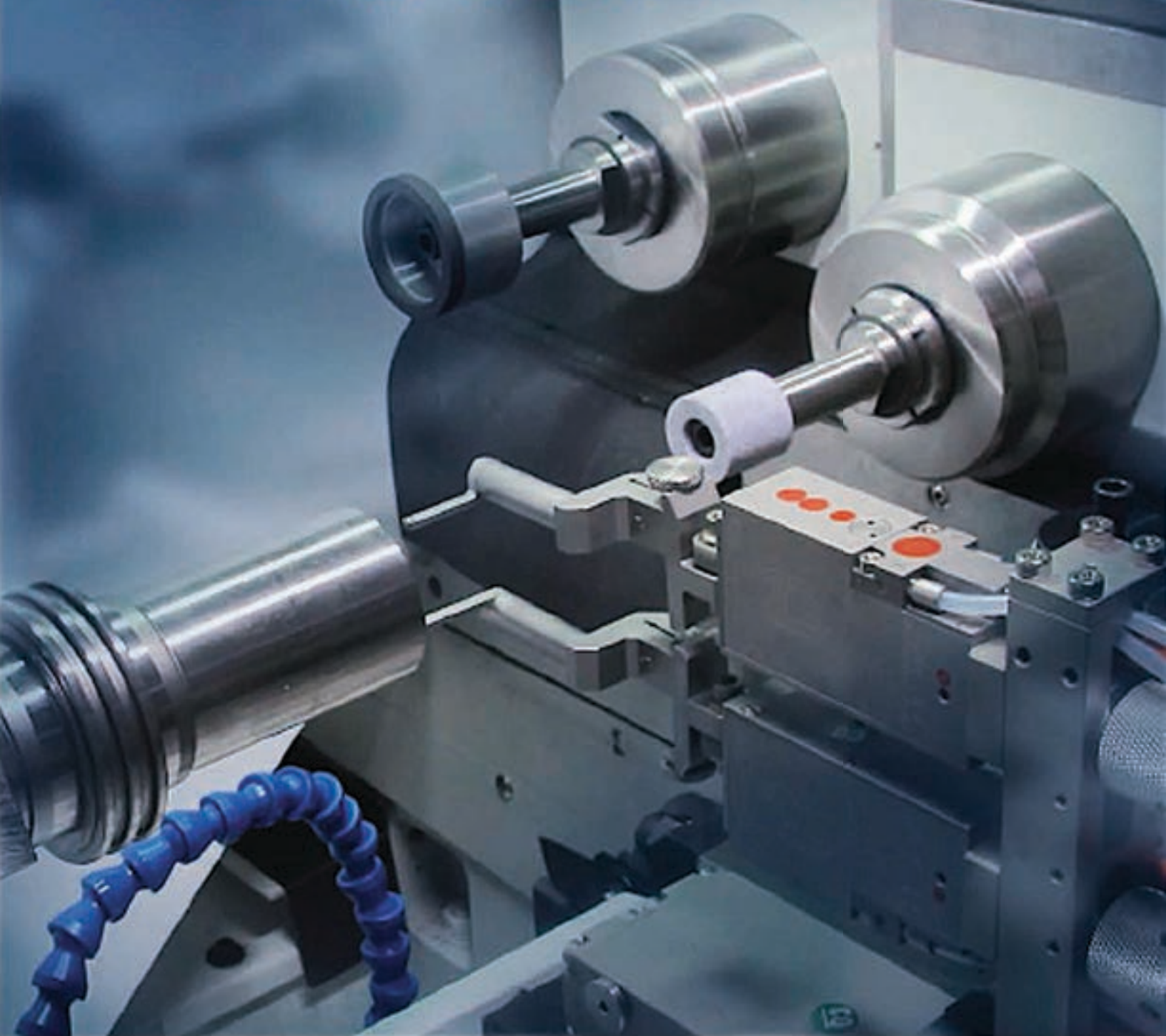


# CINCINNATI MACHINES

*AccuSIZE*

*Precision Internal Grinders*



# **ACCUSIZE CNC**

Accusize Precision Internal Grinder with CNC Control



# **ACCUSIZE**



Accusize Precision Manual Internal Grinder with PLC Control



# **ACCUSIZE**

## State-of-the-Art Precision Internal Grinding

**ACCUSIZE** State-of-the-Art Precision Internal Grinders combine World Class control and drive technology with time proven Cad Generated Machine Geometry and Rock Solid Seasoned Meehanite Castings to provide cutting Edge Internal Grinding capabilities, yet they are very affordable.



### CAD Generated Machine Geometry

CAD Generated Machine Geometry insures that every phase of these machines have been totally optimized to provide the very best internal grinding capabilities

### Rock Solid Seasoned Meehanite Casting

CAD Generated Rock Solid Meehanite Castings insure rigid and non twisting grinds without deflection, to provide maximum accuracy and consistency.

# ACCUSIZE

*ACCUSIZE CNC*  
shown with optional  
full enclosure



Brand new face grinding attachment (Optional)





# **ACCUSIZE II**

**TWIN SPINDLE INTERNAL GRINDER**



**Twin Spindles - Double Productivity**

**Twin-Spindles = ID/OD and up to 16  
Grind Operations in one setup.**



# ACCUSIZE II

## TWIN SPINDLE INTERNAL GRINDER

### User-friendly operation interface



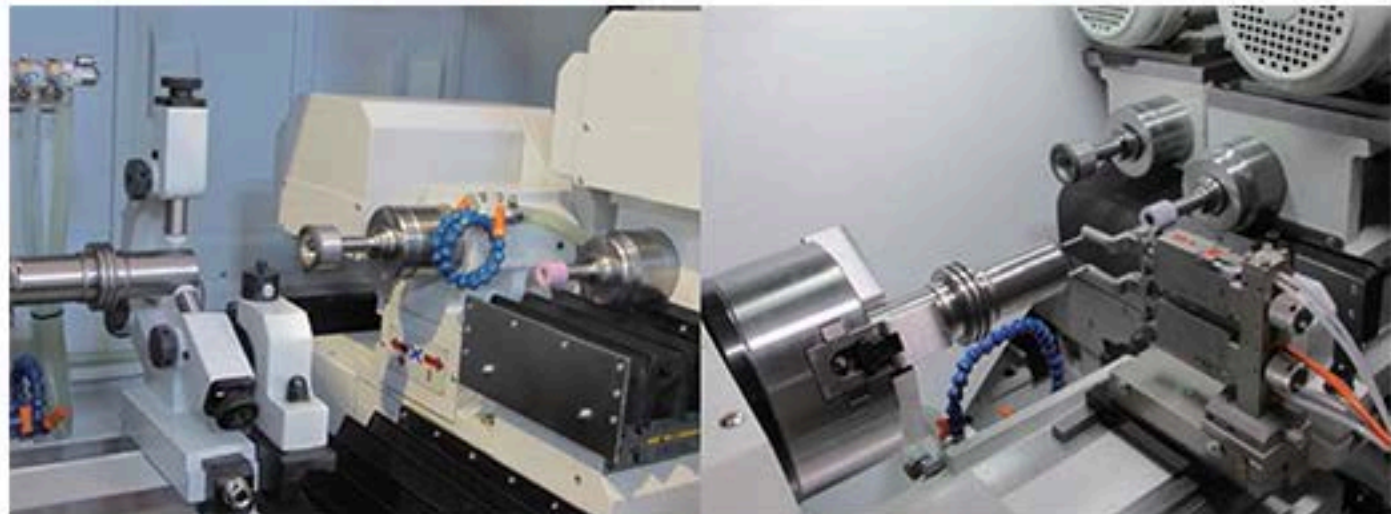
*AccuSize II* comes equipped with the FANUC CNC control system as standard. In addition, the MPG (Manual Pulse Generator) Handwheel provides the operator with easy means to move the machine slides around for quick part setup. In addition, the operator will have very easy and simple access to controls for both Grinding Spindles.

### Unique Twin-Spindle Design

*AccuSize II*'s main feature is the unique 2-Spindle design that allows up to 16 different ID/, OD, and or Face grinding operations to be included in one setup. This capability will add whole new dimensions to your grinding capabilities.



*AccuSize II* for extra-long parts





# ACCUSIZE XL

TWIN SPINDLE LONG PART INTERNAL GRINDER



Specifically Designed for Long Parts



# ACCUSIZE XL

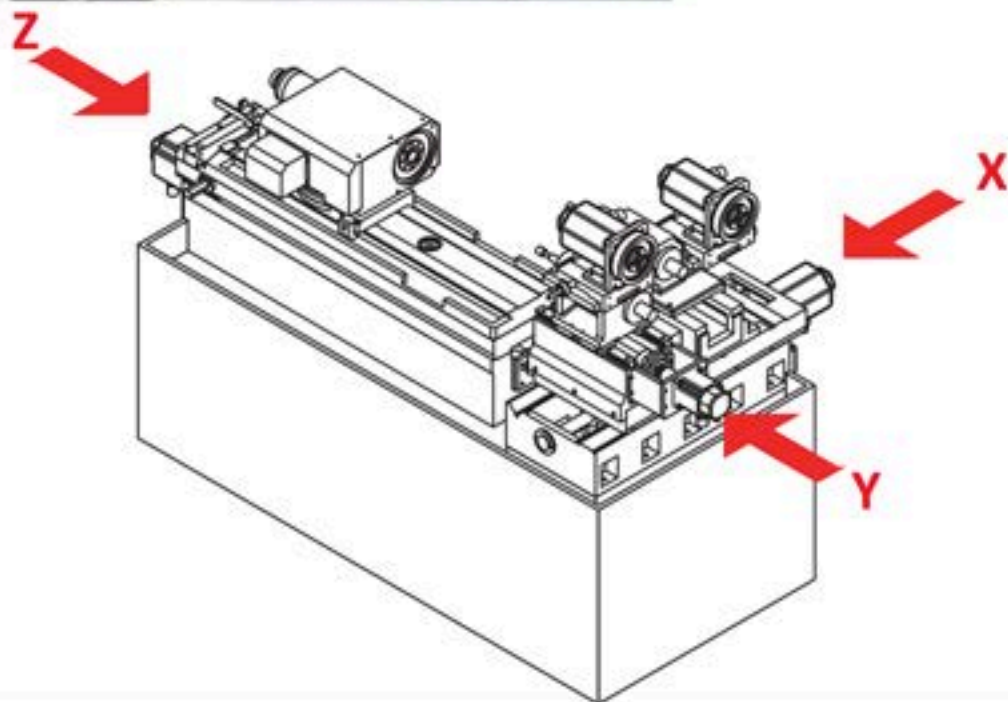
## World-Class Fanuc CNC

*ACCUSIZE XL* comes equipped with the FANUC CNC control system as standard. In addition, the MPG (Manual Pulse Generator) Handwheel provides the operator with easy means to move the machine slides around for quick part setup. In addition, the operator will have very easy and simple access to controls for both Grinding Spindles.



## Unique Twin-Spindle Design

*ACCUSIZE XL* combines the unique 2-Spindle design with the capability to grind long parts with lengths up to 23.4". Now, you can grind those long parts and allow up to 16 different ID/ OD, and or Face grinding operations to be included in one setup. This capability will add whole new dimensions to your long part grinding capabilities.





<b>Model</b>	<b>ACCUSIZE</b>	<b>ACCUSIZE w/FACING</b>	<b>ACCUSIZE II</b>	<b>ACCUSIZE XL</b>
Grinding diameter range	Ø0.16" ~ Ø9.4"	Ø0.16" ~ Ø7.8"	Ø0.16" ~ Ø12.6"	Ø0.16" ~ Ø5.8"
Max. grinding depth	5.9"	5.9"	7.8"	7.8" (23.4" part Length)
Swing over table	15"	15"	13.7"	11.7"
Swing over splash guard	Ø12.6"	Ø7.8"	Ø12.6"	N/A
Control	FANUC	FANUC	FANUC	FANUC
Spindle speed	0 ~ 1000 rpm	0 ~ 1000 rpm	0 ~ 1000rpm	0 ~ 1000 rpm
X Axis feed rate	394in/min	394in/min	394 in/min	394in/min
X Axis travel	11.8"	11.8"	15.3"	12.9"
Min. unit of X Axis movement	0.0001"	0.0001"	0.0001"	0.0001"
Workhead swiveling angle	-5° ~ +15°	-5° ~ +15°	-5° ~ +30°	N/A
Max. feed rate of Y / Z Axis	Z: 394 in/min	Z: 394 in/min	394/394in/min	Z: 394 in/min
Y / Z Axis travel	Z:15.7"+3.9"	Z:15.7"+3.9"	13.7"+7.8"/13.7"+7.8"	Z: 14.8"+6.2"
Min. unit of Y / Z Axis movement	0.0001"/0.0001"	0.0001"/0.0001"	0.0001"/0.0001"	0.0001"/0.0001"
Distance from wheel center to floor	41.7"	41.7"	41.7"	41.7"
Hyd. Oil tank capacity	7.5 gal.	7.5 gal.	7.5 gal.	7.5 gal.
Coolant tank capacity	37.5 gal.	37.5 gal.	50 gal.	37.5 gal.
Hyd. Pump motor	0.75 Kw (1HP)	0.75 Kw (1HP)	0.75 Kw (1HP)	0.75 Kw (1HP)
Coolant pump	0.18 Kw (1/4HP)	0.18 Kw (1/4HP)	0.18 Kw (1/4HP)	0.18 Kw (1/4HP)
X / Y / Z Axis servo motor	X: 1.2Kw / Z:1.2 Kw	X: 1.2Kw / Z:1.2 Kw	1.6 / 1.6 / 1.6 Kw	X: 1.2Kw / Z:1.2 Kw
Grinding wheel motor (B1/B2) (KW)	B1:2.2,2P(3HP)	2.2, 2P (3HP) / 4.5 (6HP)	2.2, 2P (3HP) / 2.2, 2P (3HP)	2.2, 2P (3HP) / 4.5 (6HP)
Workhead motor	2.2 Kw, 4P (3HP)	2.2 Kw, 4P (3HP)	2.2 Kw, 4P (3HP)	2.2 Kw, 4P (3HP)
Automatic lubricator	0.5gal.	0.5gal.	1 gal.	0.5gal.
Machine dimensions (L x W x H)	87"X91"X67"	87"X91"X67"	98"x83"x77"	87"X91"X67"
Machine weight	6600 lbs.	6600 lbs.	10,450 lbs.	6600 lbs.

\*Specifications and design are subject to change without prior notice.\*

## CINCINNATI MACHINES

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