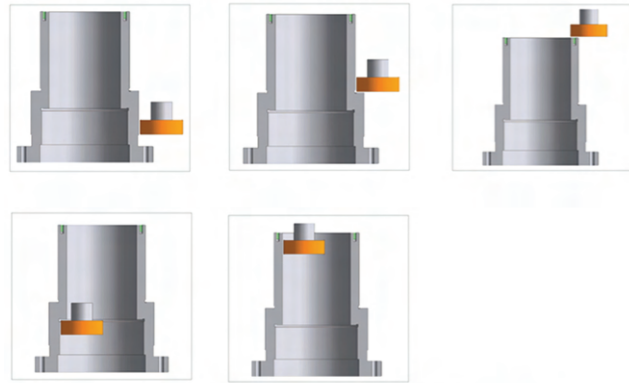


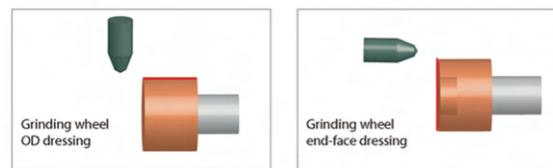
VERTICAL GRINDER

EGV-400/600/800 CNC Series

Standard grinding cycles and multi-steps graphic conversational



Grinding wheel dressing graphic illustration



Specification	EGV-600CNC	EGV-800CNC	EGV-400 Empire CNC	EGV-600 Empire CNC	EGV-400EB	EGV-600EB
Grinding Capacity						
Max. ID Diameter	2.75"-21.6"	2.75"-29.5"	15.74"	23.6"	15.74"	23.6"
Max. OD Diameter	23.6"	31.49"	15.74"	23.6"	15.74"	23.6"
Max. ID/OD Grinding Length	21.6"	21.6"	15.74"	15.74"	15.74"	15.74"
Max. Swing Diameter	23.6"	31.49"	15.74"	23.6"	15.74"	23.6"
Max. Workpiece Weight	1,760 Lbs.	1,760 Lbs.	660 Lbs.	1,100 Lbs.	1,100 Lbs.	1,100 Lbs.
Spindle Speed	10,000 rpm	10,000 rpm	15,000 rpm	15,000 rpm	24,000 rpm	15,000 rpm
Tool Holder Interface	HSK-A100	HSK-A100	HSK-63E	HSK-63E	HSK-63E	HSK-63E
Spindle Rotation Type	Fixed	Fixed	Fixed	Fixed	B Axis Rotary Table	B Axis Rotary Table
ATC Tool Changing System						
Grinding Wheel Capacity	8 tools	8 tools	16 tools	16 tools	16 tools	16 tools
Max. Grinding wheel size	9.8"	9.8"	7.87"	7.87"	7.87"	7.87"
Work Table						
Table Size	23.6"	31.49"	15.74"	23.6"	15.74"	23.6"
Rotary Table Type	Hydrostatic	Hydrostatic	Bearing	Bearing	Bearing	Bearing
Driven Mechanism	DD(Direct Drive)	DD(Direct Drive)	Belt Driven	Belt Driven	Belt Driven	Belt Driven
Column & Structure						
Structure	C Type	C Type	Narrow Double Column	Narrow Double Column	Narrow Double Column	Narrow Double Column

EGV Series

All 2 Axes

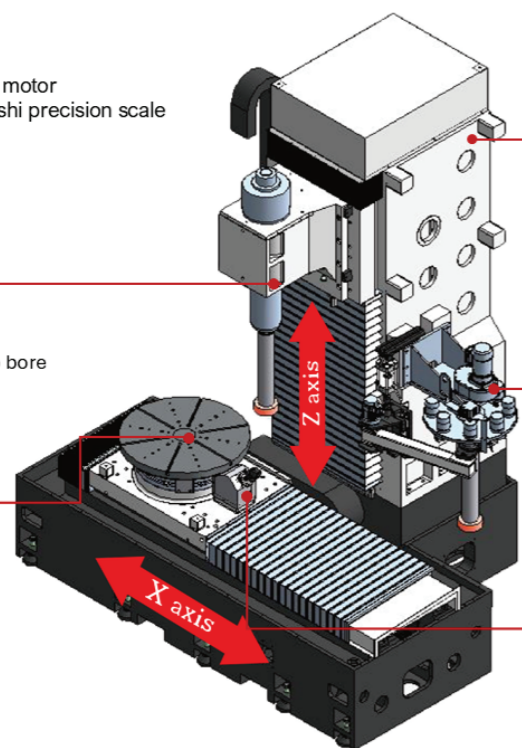
- 6 rows ball bearing linear guide
- High Precision Ballscrew + Servo motor
- X axis with high precision Mitsubishi precision scale (0.000002")
- X axis servo motor 6 hp
- Z axis servo motor 6 hp

Wheel Spindle

- Built-in Spindle: 33 hp
- Tool Holder: HSK-A100
- Long spindle nose design for deep bore grinding rigidity and accuracy

Hydrostatic Rotary Table

- Hydrostatic table with zero metal contact.
- Rotation accuracy 0.00004"
- Direct drive motor 4 hp
- Max. weight capacity: 2640 lbs.



Column & Structure

- C type structure provides the best user-friendly environment for the operator
- High rigidity column maintain dynamic linear accuracy
- Reduce the coolants contacting with the column structure. Reduce heat conduction and stabilize the accuracy

ATC & Magazine

- Max. up to 8 tools (Max. Grinding wheel size Φ9.8")
- High stability
- Increase the tool changing efficiency
- Perform the best surface roughness even facing workpiece with complicated operation requirement

Diamond Roller dresser

- Not easily worn-off
- High shaping accuracy
- High dressing efficiency

EGV Empire Series

All 3 Axes

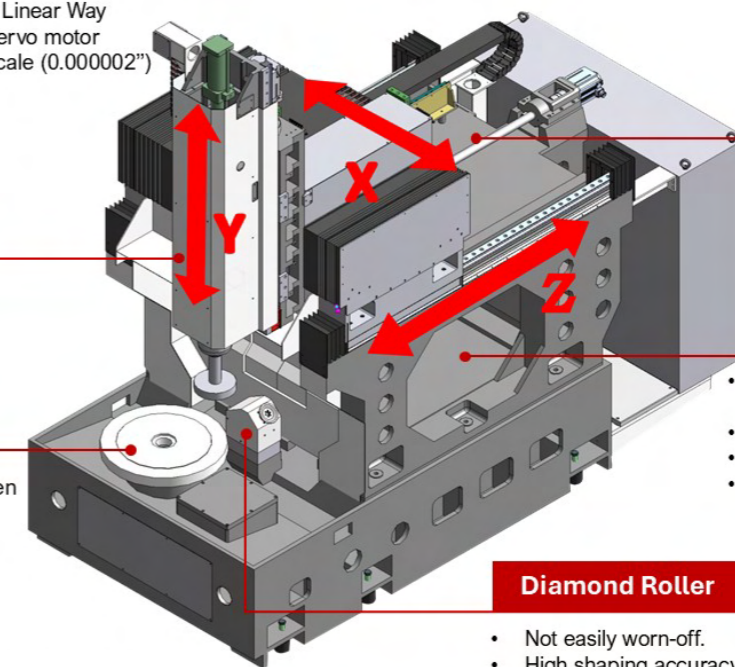
- High Precision & Rigid Roller Linear Way
- High Precision Ballscrew + Servo motor
- X axis Mitsubishi Precision Scale (0.000002")
- X axis servo motor 4 hp
- Y axis servo motor 4 hp
- Z axis servo motor 4 hp

Wheel Spindle

- Built-in Spindle: 28 hp
- Tool Holder: HSK-63E

Rotary Table

- Driven mechanism: belt driven
- Easy to maintain



Column & Structure

- Narrow double column design
- Reduce required space but provide rigidity and accuracy at the same time

ATC & Magazine

- Max. up to 16 tools. (Max. Grinding wheel size Φ9.8")
- High stability
- Increase the tool changing efficiency
- Perform the best surface roughness even facing workpiece with complicated operation requirement

Diamond Roller

- Not easily worn-off.
- High shaping accuracy
- High dressing efficiency