

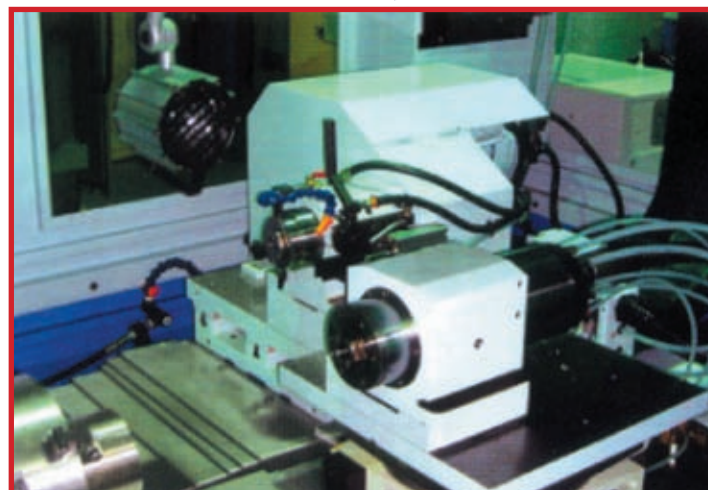
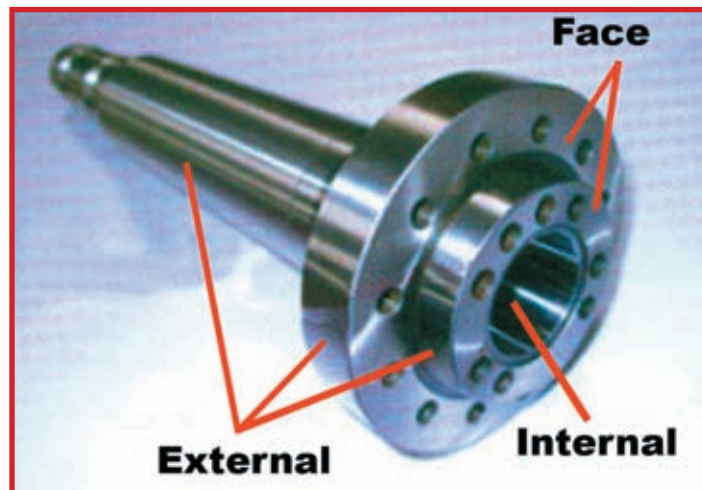
CINCINNATI MACHINES

TWINTERNAL

2 Spindle 5-Axis CNC ID/OD Multi-Surface Grinding Center

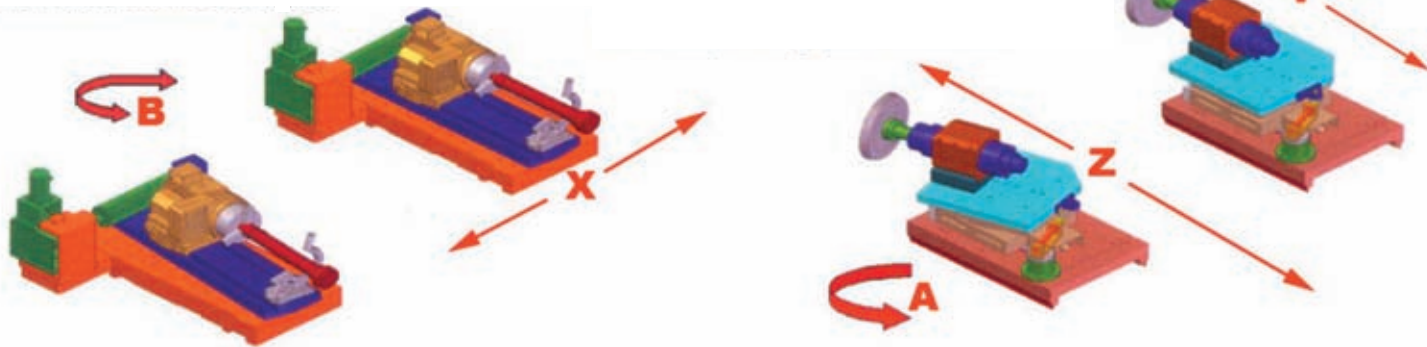


**Swivel
A&B Axes
plus Twin
Grinding
Heads
allow
Multiple
Grinding
Jobs
in
One
Setup**





Versatility, Productivity, Efficiency



STANDARD FEATURES/EQUIPMENT

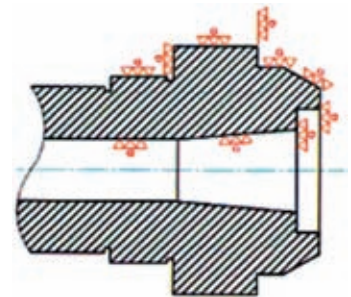
- Very Stable Heavy-Duty Meehanite Castings
- Dynamic Thermal Control for Very Stable Accuracy
- Fanuc 18i CNC (0-i for Model 100)
- Linear Scales for X-Axis
- 7" 3-Jaw Scroll Chuck
- ISO 9002 Quality Construction Standards
- Coolant System with Magnetic Separator
- Automatic Lubrication System
- Full Enclosure
- Work Illuminating light
- Precision Ballscrew Drive
- 2) 2-Way Automatic Diamond Wheel Dresser unit
- Leveling Pads and Tool box with tools
- 2) 8,000~60000 Grinding Spindles (Customer choice)

OPTIONAL FEATURES/ACCESSORIES

- Paper Filter
- Hydroclone Coolant Filter
- Power Chuck
- Adjustable 3-point Steady Rest (Model 200)
- Inverter Drive Grinding Wheel Drive
- Automatic Grinding Head Lubrication
- Extra Grinding wheel heads
- Automatic Door Opener
- High Frequency Grinding Heads
- Oil Mist Collector
- C-Axis

CINCINNATI MACHINES

TWININTERNAL
GRINDER
IS TRULY A
MULTI-SURFACE
GRINDER



Machine Specifications in inches

Model	TWININTERNAL 100	200
ID Grinding Capacity	.25 - 4	.75 - 5
Maximum ID Grind Depth	4	6
Maximum O.D. Grind Capacity	12.6	8.6
Swing Over bed	21	31
Maximum swing in guard	12.8	16.8
Maximum table stroke	21.6	26.8
Maximum Clamping Length	6	23.6
X Axis Travel	15.7	34.6
Y/Z Axis Travel	11.8	13
A Axis	N/A	Yes
B Axis	+15° ~ -5°	+15° ~ 5°
X Axis Feedrate	0~400 ipm	0~400 ipm
Y/Z Axes Feedrate	0~720 ipm	0~720 ipm
Workhead speed	1~1000 rpm	1~1000 rpm
Grinding Head Speed (X2)	Customer choice ~ 8000 up to 60000 rpm	
Grinding Head Power	2hp (Y-Axis) 3hp (Z-Axis)	
Grinding head c/l to floor	40	42
Hydraulic Motor(s)	1hp/2hp	1hp/2hp
Weight	11000lbs	13500lbs