

# XG/Z-X

## SERIES

### CENTERLESS GRINDERS

# CINCINNATI MACHINES

Featuring  
Outboard Supports  
for both the  
Grinding Wheel and  
Regulating Wheel  
Spindles



Hardened and ground  
NI-CR-MO alloy steel  
spindles for maximum  
accuracy and rigidity

**HYDROSTATIC BABBIT STYLE SPINDLES**

Cincinnati Machines XG/Z-XG Series Centerless Grinders are designed and manufactured from the ground up to provide optimum quality, efficiency, and reliability. The heavily ribbed meehanite castings are combined with the standard outboard supports for both the grinding and regulating wheel spindles to insure maximum rigidity and stability. Add to that, the hydrostatic babbit type spindles, the automatic lube system, and a wide variety of available grinding accessories, and you have one very versatile, reliable, and efficient centerless grinder.



**HEAVILY RIBBED MEEHANITE CASTINGS**

# XG/Z-XG Series CENTERLESS GRINDER

## STANDARD EQUIPMENT

- 1) Grinding wheel and mount
- 2) Balancing Arbor
- 3) Regulating wheel and mount
- 4) Oil bottle
- 5) Tools and toolbox
- 6) Wheel extractor
- 7) Standard thrufeed workrest
- 8) Standard thrufeed blade
- 9) Truing diamonds
- 10) Leveling pads and bolts

## OPTIONAL ACCESSORIES

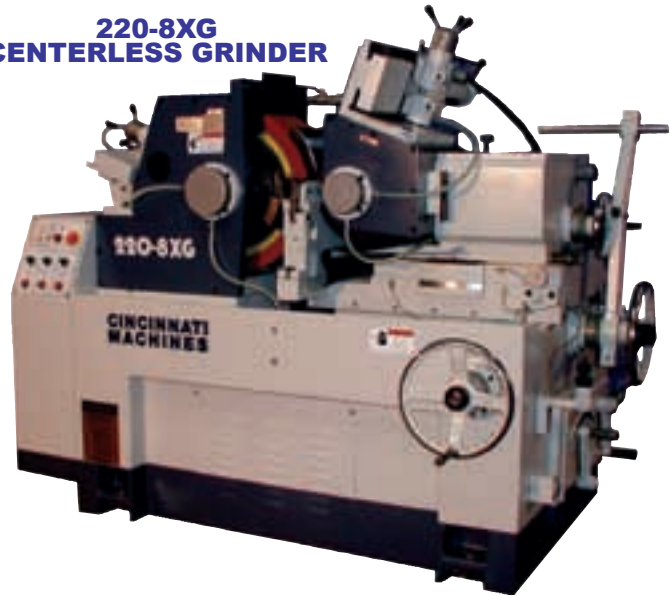
- \*Various infeed/thrufeed workrests
- \*Infeed and thrufeed blades
- \*Coolant filtration/separator systems
- \*Balancing stand
- \*Automatic vibration feeders
- \*Long bar attachments
- \*Automatic ejectors
- \*Automatic loading for thrufeed
- \*Automatic load/unload for infeed
- \*CINMAX grinding wheels
- \*CINMAX regulating wheels
- \*Truing attachments and blades
- \* Fanuc CNC



## STANDARD EQUIPMENT



## 220-8XG CENTERLESS GRINDER



## MACHINE SPECIFICATIONS

(Inches Manual and CNC)

Model	110-6XG	220-8XG	225-10XG	230-10Z-XG	340-20Z-XG
Grind Capacity dia. (standard workrest)	0.04 - 1.2	.04 - 3	.04 - 3	.04 - 3	2.3 - 6
Grind Capacity dia. (special workrest)	1.2 - 2	2 - 4.75	3.15 - 4.7	3.15 - 4.7	-
Grind wheel size	12x6x5	20x8x10	20x10x10	24x10x12	24x20x12
Grind wheel speed	1900 rpm	1350rpm	1350rpm	1050rpm	1050rpm
Grind wheel truing inc/graduation	0.0005	0.0005	0.0005	0.0005	0.0005
Grind wheel truing inc/revolution	0.05	0.0625	0.0625	0.0625	0.0625
Regulating wheel size	8x6x3.5	12x8x5	12x10x5	14x10x6	14x20x6
Regulating wheel speeds (10 steps)	10-300rpm	10-300rpm	10-300rpm	10-300rpm	10-300rpm
Reg wheel truing inc/graduation	0.0005	0.0005	0.0005	0.0005	0.0005
Reg wheel truing inc/revolution	0.05	0.05	0.05	0.05	0.05
Upper slide inc/graduation	.002	.002	.002	.002	.002
Upper slide inc/revolution	.2	.2	.2	.2	.2
Slide swivel angle	+/-5°	+/-5°	+/-5°	+/-5°	+/-5°
Slide incline angle	+5° - -3°	+5° - -3°	+5° - -3°	+5° - -3°	+5° - -3°
Lower slide inc/graduation	0.00125	0.002	0.002	0.002	0.002
Lower slide inc/revolution	0.25	0.25	0.25	0.25	0.25
Lower slide fine inc/graduation	0.000050	0.000050	0.000050	0.000050	0.000050
Lower slide fine inc/revolution	0.01	0.00625	0.00625	0.00625	0.00625
Grinding wheel drive motor	10 hp	20 hp	25 hp	30 hp	40 hp
Shipping weight	3300 lbs	7260 lbs	7480 lbs	13860 lbs	14800 lbs
Net weight	2640 lbs	6600 lbs	6800 lbs	12980 lbs	13980 lbs
Shipping dimensions	67x58x61	89x82x74	109x89x74	110x89x74	120x89x75