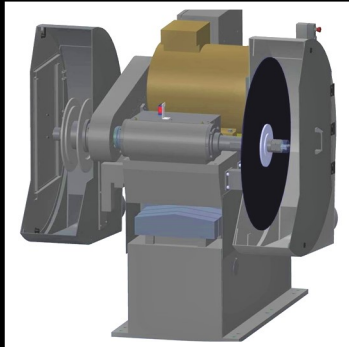




High HP Dual Wheel Heads

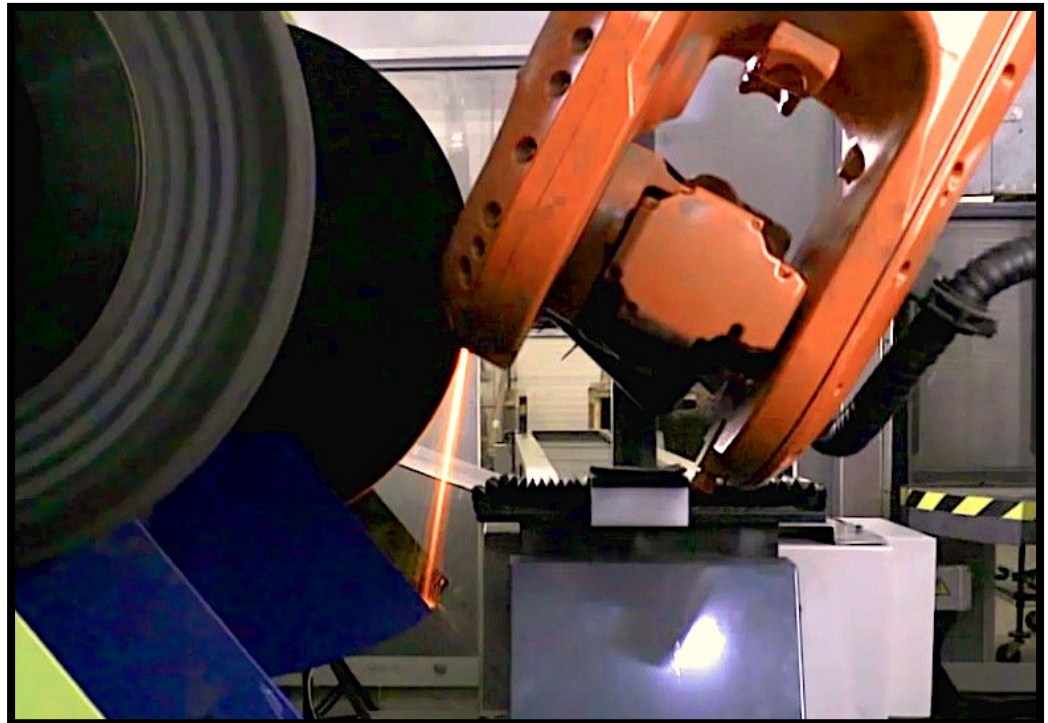
Model Family: WHL-X2 Series



Dual shaft heavy duty grinding and cutoff wheel head driven by 30,40, or 60 HP AC motor. Abrasive wheels like grinding or cutoff can be mounted on both ends of the shaft using flanges and standard hardware. Entire wheel assembly can be mounted on linear compliance slide which moves during process while exerting force which can be controlled from a programmable controller. This allows easier part programming where finishing process is done by pushing part into the force controlled linear slide travel. The head comes with mounting pedestal and can optionally be with fully connected controls interfacing to customer's system via discrete I/O, Ethernet I/P, Profibus, or DeviceNet.

Specifications:

- Power rating: 30, 40, or 60 HP
- Speed range: 500-3500 RPM with VFD
- Dual shaft sizes: 2.75" diameter (70mm)
- Design allows for mixing of wheel media
 - ◆ For example 1 side can be cutting wheel, the other side a grinding stone
- Wheel diameters up to 36" (915 mm)
- Optional linear compliance slide with heavy duty profile rails
- Optional fully plumbed and wired ready for use
- Optional wheel wear (size) measuring sensors
- Wheel guards and dust scoops included
- Mounting Pedestal Included



Z3D SOLUTIONS

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860-380-0198

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WHL-X2 Series Dual Wheel Heads



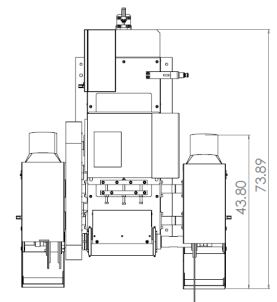
System Options:

- 30HP, 40HP, or 60HP AC Motor
 - * Other HP options available upon request
- Linear compliance slide with heavy duty profile rails
 - * Linear travel: adjustable up to 2" (50mm)
 - * Compliance force range: 0-350 lbs (0-1557 N)
- Fully plumbed and wired ready for use
 - * Available controls are: discrete I/O, Ethernet I/P, Profibus, Devicenet
- Wheel Wear Measurement Sensors
 - * Sensors mounted to the wheel head to track the radial wear of the wheels throughout their life. The signals can be used by customer systems to automatically offset automated programs for more efficient grinding/cutting. Can also be used to automatically trigger alarms when it is time for wheels to be replaced.

BGH Series Part Number:

WHL-X2-WW-XX-YY-ZZZ

WW	Motor HP	YY	Signal Wiring	ZZZ	Wheel Wear Sensors
30	30 HP	NW	Not wired/plumbed	NWS	No Wear Sensors
40	40 HP	DIO	Discrete IO	AWS	Automatic Wear Sensors
60	60 HP	EIP	Ethernet I/P	XX	Compliance
		PRF	Profibus	NC	No Compliance
		DEV	DeviceNET	PC	Pneumatic Compliance



Flanges Part Number:

FLWHL-XX-YY##

XX	Flange Diameter in Inches (up to 32")	YY	Center Hub
Example: 12	12 inch diameter	NH	No Hub (Flat Flange)
		CH	Flange has center hub to match center hole of your wheel

##	Center Hub Diameter and Shelf Length
Example: 10-2	10 inch diameter center hub with 2 inch shelf

