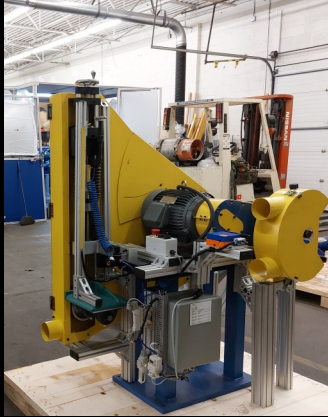




## 7.5HP Combination Grinding Head

Model Family: CMB Series



The CMB Series of Grinding heads is a combination head. With a Belt grinding unit on one side, and a wheel grinding station on the other. This unit allows for maximum grinding and process capability in a relatively compact package. This design is tailored from the ground up for robotic grinding applications and is a perfect addition to any robotic or automated

### Specifications:

- 7.5 HP AC Motor capable of up to 3500 rpm
- 12" Diameter, 4" wide serrated rubber coated contact wheel for belt comes standard.  
\* Other sizes available upon request
- Designed for use with standard size abrasive belts (4" wide x 132" long.)
- Manual belt tracking
- Pneumatic Belt Tensioning system for easy belt swaps
- Optional Linear compliance slide with up to 1" travel (25mm) and pneumatic force up to 70 lbf (311 N)
- Sensors for missing/broken belt
- Optional pre-wired and pre plumbed unit ready to integrate with many industrial IO protocols
- Wheel Grinding side has 1.5" diameter shaft to allow for large variety of wheels/flanges/hubs.
- Operator control box with controls and E-STOP



**Z3D**  
**SOLUTIONS**

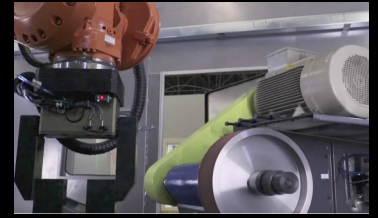
WEBSITE:  
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## CMB Series Combination Heads



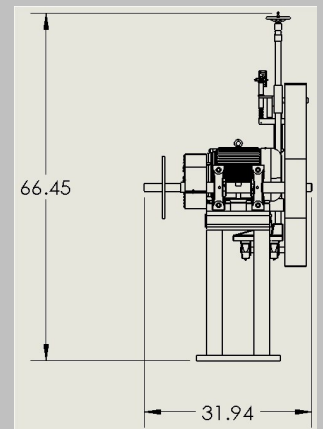
### System Options:

- Variable Frequency Drive
  - \* Variable frequency drive is recommended to allow for variable speed control
- Linear compliance slide with 1" travel (25mm) and pneumatic force up to 70 lbf (311N)
- Optional fully plumbed and wired ready for use
  - \* Available controls are: discrete I/O, Ethernet I/P, Profibus, Devicenet
- Laser Measurement Addon
  - \* Unit can be purchased with a laser system installed on the wheel head side which can be used to measure the wear of grinding wheels which is important for ensuring consistent grinding throughout the life of conventional abrasive wheels.
- Dust Collection Guards
  - \* This upgrade adds additional guards onto the unit around the belt and wheel grinding areas which have hookups which allow for easy connection to existing dust collection systems.

### BGH Series Part Number:

## CMB-WW-XX-YY-ZZ

<b>WW</b>	<b>Motor Wiring</b>	<b>YY</b>	<b>Signal Wiring</b>	<b>ZZ</b>	<b>Laser Addon</b>
PG	Not Connected	NW	Not wired/plumbed	NL	No Laser
VFD	VFD Wiring	DIO	Discrete IO	ML	Measurement Laser
<b>XX</b>	<b>Compliance</b>	EIP	Ethernet I/P		
NC	No Compliance	PRF	Profibus		
PC	Pneumatic Compliance	DEV	DeviceNET		



### Contact Wheel Part Number:

## CWBGH-XX-YY-ZZ#

<b>XX</b>	<b>Diameter in Inches (up to 18")</b>	<b>YY</b>	<b>Width in Inches (up to 6")</b>
Example: 12	12 inch diameter	Example: 06	6 inch width
<b>#</b>	<b>Rubber Durometer</b>	<b>ZZ</b>	<b>Wheel Coating</b>
Example: 80	80 Durometer	NC	Not Coated (steel only contact wheel)
		RC	Rubber Coated
		SR	Serrated Rubber

