



Hetran Proudly Presents Our Newest
**Centerless Abrasive Belt
Grinding System**
(Hetran CAB-GS)

Hetran, Inc.
A New Product Series

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General Layout

Wet System Consists of:

- 1. Bar Loading Table**
- 2. Bar Linear Entry Table**
- 3. 1-5 Head Grinder**
- 4. Coolant Filtration System**
- 5. Hydraulic System**
- 6. Mist Collection System**

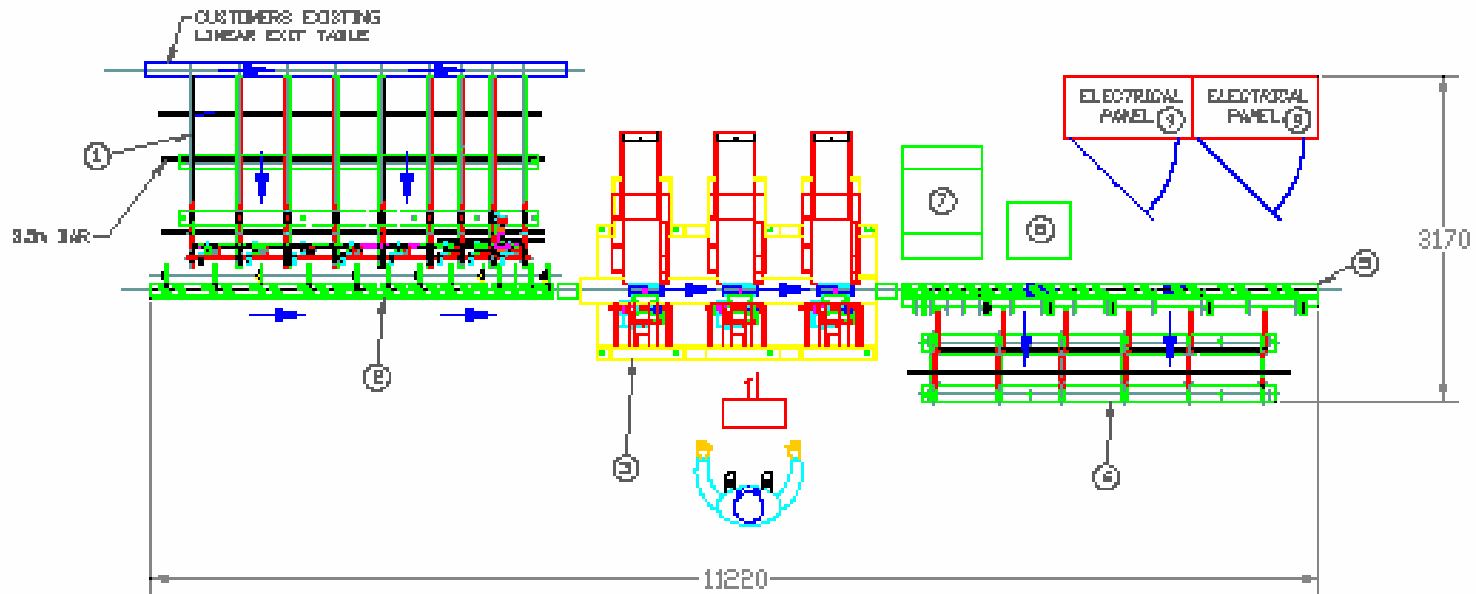
General Layout *(Continued)*

Wet System Consists of:

- 7. Ergonomic/Environmental Safety Enclosure**
- 8. Electrical Control/Automation System**
- 9. Bar Linear Exit Table**
- 10. Bar Unloading Table**
- 11. Laser-Mic Gauging System (Optional)**
- 12. Non-destructive Testing System (Optional)**



Hetran CAB-GS



MACHINE SPECIFICATIONS

FINISH DIAMETER	6mm - 12mm
BAR LENGTH	2.5M
TOLERANCE AFTER GRINDING	H9 OR BETTER
LINE SPEED	UP TO 300 m/min
DRAWING REDUCTION	5-10%
GRINDING REMOVAL	2-3mm

REVISION	DESCRIPTION
SCALE	1:50
MATERIAL	Q235
DRAWING DATE	6/13/24

CHANGDIN STEEL
QUOTE # Q-18894



HETRAN CENTERLESS ABRASIVE
BAR BELT GRINDING SYSTEM

DWG. NO.
3ML-29705-H

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Applications

- **Roughing, sizing & finish grinding all in one unit**
- **Replaces conventional hard wheel / centerless grinding technology**
- **Ideal for processing bars, rods and tubing of ferrous & non-ferrous metals**



Hetran CAB-GS

Specifications (Model CABGS-H2/3)

• Abrasive Belt Size	8" Wide x 120" Long
• Bar/Tube - Diameter	1/4" - 2" O.D.
• Bar/Tube - Length	Up to 16'
• Feed Speed	60 FPM
• Tolerance	0.0005"
• Surface Finish, Ra	2 - 20 (micro-inch)
• Ovality	0.00025"
• No. of Grinding Head	3
• Stock Removal Per Head (Roughing)	0.01" on the diameter
• Motor	25 HP

Manufacturing Standards: ASTM / DIN

Features & Benefits

- **Multiple head system eliminates need for a series of single head grinders**
- **Faster processing than the conventional “single head, wheel type” grinding machines**
- **Capable of handling a wide range of diameters and lengths, including shorter work pieces**

Features & Benefits *(continued)*

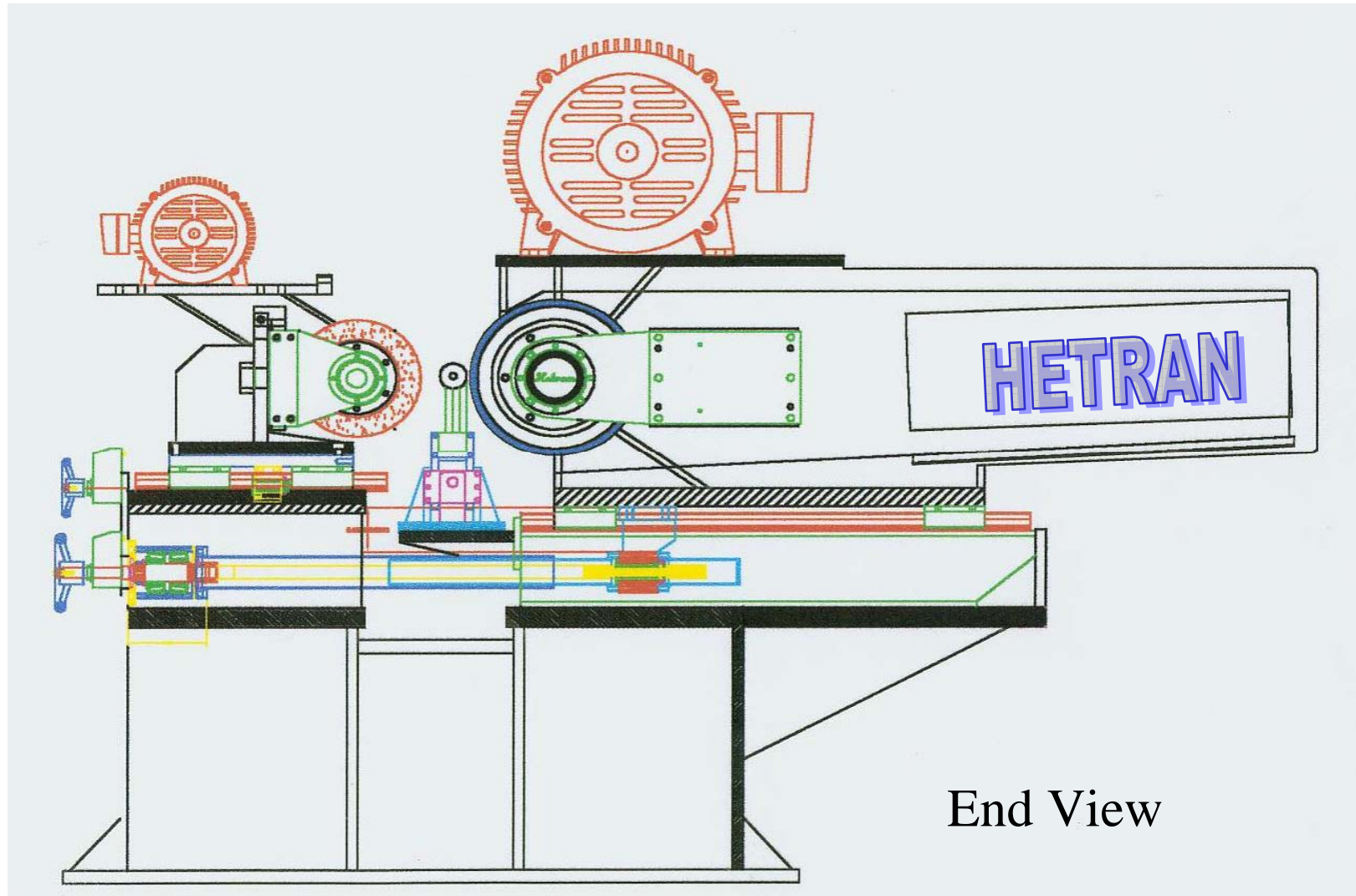
- **Short set-up time**
- **Fast belt change**
- **Operator friendly for production and maintenance**
- **Overall cost effective when compared to conventional centerless grinding due to higher productivity and less personnel cost**

Advantages *over conventional grinding wheel system*

- 1. Newer technology**
- 2. Cost effective**
- 3. Higher productivity**
- 4. Fast stock removal**
- 5. High feed rates**
- 6. Excellent surface finish**
- 7. Constant surface speed**
- 8. Short set up time**

Advantages *(continued)*

- 9. Single pass operation with multiple heads on a common base**
- 10. Roughing, semi-finishing & finishing in one pass**
- 11. Limited wheel dressing**
- 12. Fast belt change**
- 13. Small footprint**
- 14. Ergonomic operation**
- 15. Minimum operators required**
- 16. Environmental enclosure**





Hetran CAB-GS Model H2/3



Hetran Centerless Abrasive Belt 3-Head Grinding System