

# Century Machinery Co., Inc.

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Ref. Number G7930-9990

- Air Compressor
- C.N.C. Machine Tools
- Fabricating Equipment
- Fluid Forming Press
- Industrial Machinery
- Machine Tools
- Profilers 3 and 5 Axis
- Routers: Pin, Radial & CNC
- Sheet Metal Machinery
- Woodworking Machinery

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**"WE PURCHASE ONE MACHINE OR ENTIRE PLANT"**

**Serving Industry Since 1934**



**BUTLER-NEWALL CNC GAP BED GRINDER**

Serial Number 88 GB 4086 New 1990

**PRELIMINARY SPECIFICATIONS:**

**CAPACITY:**

Swing Over Table: Maximum diameter ..... 26"  
 Swing in Gap: Maximum ..... 110"  
 Distance Between Centers, Gap Open: ..... 96"  
 Distance Between Centers, Gap Closed: ..... 60"  
 Wheel Head Carriage Travel: ..... 72"  
 Wheel Head Swivel: ..... + 12 Degrees  
 Table Swivels Toward & Away Wheel Head: ..... 3 Degrees

**GRINDING WHEEL HEAD:**

Grinding Wheel (Dia. x Face x Bore): ..... 30" x 3" x 12"  
 Spindle Speeds (Variable 4000 to 8000 FPM): (500 to 1500 RPM)

**HEADSTOCK:**

Number of Speeds: Infinite Speed Range: ..... 8 to 100 RPM

**WHEELHEAD CARRIAGE TRAVERSE:**

Grinding Rates: ..... Infinite  
 Min. Movements of Carriage for Auto Reversal: ..... 1/4"  
 Range of Grinding Rates: ..... 1 to 120 IPM  
 Accuracy of Table Reversal: ..... 0.0005"  
 Carriage Dwell Adjustment: ..... 1 to 20 Sec.

**HAND TRAVERSE: Feed (Minimum):** ..... 0.022 IPR  
**Rapid (Maximum):** ..... 1.14 IPR

**INFEEED ADJUSTMENTS:**

Minimum Wheel Head Movement (Hand): ..... 0.0016 IPR  
 Maximum Wheel Head Movement (Hand): ..... 0.080 IPR  
 Infeed Increment: ..... 0.0001"  
 Auto Infeed Table Reversal (Range): ..... 0.0000" to .0012"  
 Total Adjustment of Wheel Head (Hand & Power): 18"

**COMPONENTS:**

Wheel Head Straight Approach, Swivel Wheel Head  
 Wheel Diameter: 30" x 2" x 12" Bore Recessed One Side 16" x 5/8"  
 Grit and Grade 89A-702-I-8AV217-P-5  
 Wheel Speed, Infinitely Variable: ..... 4000 to 8000 FPM  
 Wheel Dressing: ..... Single Point Diamond  
 Headstock Unit: ..... 8 to 100 RPM Speed Range  
 Height of Centers (Above Table): ..... 18-5/16" (465mm)  
 Maximum Swing in Gap: ..... 110"  
 Maximum Diameter Ground: ..... 26"  
 Maximum Grinding Length: ..... 68"  
 Maximum Carriage Stroke: ..... 72"  
 Maximum Carriage Speed: ..... 120 IPM

**Control System:** ..... Siemens Sinumerik 3G, Part No. 6FC 3761 0FAZ,  
 3G Controller 8mHz Version with Options B41, B74,  
 C45, E43, H12, N39, N83 & N84, System Includes  
 Turning Control Panel, Part No. 6FC 3138 3EF



**BUTLER-NEWALL GAP BED GRINDER**

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Electrical Supply Required: ..... 575V, 3 Phase, 60 Hz  
Lubrication:..... Trabon Centralized System  
MOTORS:  
Wheel Head Spindle:..... Siemens TEFC, 22kW, 30HP, 4 Pole 415V, 3 Phase  
1000 to 3056 RPM AC Motor, B3 Foot Mounted,  
Balanced to Vibration Grade "S". Frame Size 180L  
Part No. 1LA6 186 4AA90 ZK02  
MOTORS:  
Work Spindle:..... Siemens, 5.6kW at 1000 RPM, 6000 RPM Max.  
415 volts 50/60Hz Motor. Balanced to Vibration  
Grade "S". Fitted with Blower Motor and G14  
Filter Assembly Motor Part No. 1GG 5116 0WY  
406HU  
Carriage Drive: ..... Siemens, 6.5Nm 2000 RPM Motor.  
Part No. 1FT5066-0AC01  
Wheel Head Feed: ..... Siemens, 6.5Nm, 2000 RPM Motor with  
4:1 Reduction Gearbox. Part No. 1FT5066-0AC01-Z  
Hydraulic Unit: ..... Siemens TEFC, 2.55kW, 3.5HP, 4 Pole, 575V,  
3 Phase, 60Hz, 1800 RPM Motor. Foot and Flange  
Mounted. Working Pressure 385 PSI.  
Part No. 1LA5 096 4AA96 ZD40  
Scavenger Tank: ..... Siemens TEFC, 0.86kW, 1 HP, 4 Pole, 575V,  
3 Phase, 60Hz, 1800 RPM Motor. Vertical Mount  
V5. Part No. 1 LA5 083 4AA90 ZD40  
Auxiliary Wheel Head: ..... Siemens TEFC, 2.55kW, 3.5HP, 2 Pole, 575V,  
3 Phase, 60Hz, 3600 RPM Motor. Foot Mounted.  
Balanced to Vibration Grade "S".  
Part No. 1LA5 096 2AA90 ZD40

EQUIPPED WITH:  
2- Steady Rests with Three contact points. 2- Steady Rests Open End Shoe type. 1-New Wheel Hub.  
Stone Dresser with Diamond Nib. 1- Face Plate. 7- Live & Dead Centers.  
3- Riser Stages. Stage for Internal Spindle. Miscellaneous Tooling.. Operation & Part Manuals.

Total Weight of Machine: 25 U.S. Tons  
Approx. Total Floor Space Required: 243" x 184" (20' x 15')

**PLEASE EMAIL US YOUR REQUEST FOR A FORMAL QUOTATION WITH PRICE**  
AT [sales@centurymachinery.com](mailto:sales@centurymachinery.com)  
**Please use this inventory reference number G7930-9990**  
<http://www.centurymachinery.com/request form.htm>

You may view this machine at our location under power and view photo on our website: [www.centurymachinery.com](http://www.centurymachinery.com)  
Respectfully submitted,  
CENTURY MACHINERY CO., INC.