



# MACHINE DATA SHEET

Customer Service #: (570) 546-9663 · To Order Call: (800) 523-4777 · Fax #: (800) 438-5901

## MODEL G1007 MILL/DRILL W/ VARIABLE-SPEED POWER FEED

### Product Dimensions:

Weight..... 566 lbs.  
 Width (side-to-side) x Depth (front-to-back) x Height..... 50 x 40 x 48-1/2 in.  
 Footprint (Length x Width)..... 24 x 16 in.  
 Space Required for Full Range of Movement (Width x Depth)..... 50 x 40 in.

### Shipping Dimensions:

Type..... Wood Crate  
 Content..... Machine  
 Weight..... 629 lbs.  
 Length x Width x Height..... 38 x 30 x 49 in.  
 Must Ship Upright..... Yes

### Electrical:

Power Requirement..... 110V or 220V, Single-Phase, 60 Hz  
 Prewired Voltage..... 110V  
 Full-Load Current Rating..... 18A at 110V, 9A at 220V  
 Minimum Circuit Size..... 20A at 110V, 15A at 220V  
 Connection Type..... Cord & Plug  
 Power Cord Included..... Yes  
 Power Cord Length..... 6 ft.  
 Power Cord Gauge..... 14 AWG  
 Plug Included..... Yes  
 Included Plug Type..... 5-15 for 110V  
 Recommended Plug Type..... 6-15 for 220V  
 Switch Type..... Push Button with Overload Protection

### Motors:

#### Main

Horsepower..... 2 HP  
 Phase..... Single-Phase  
 Amps..... 18A/9A  
 Speed..... 1725 RPM  
 Type..... TEFC Capacitor-Start Induction  
 Power Transfer ..... Belt Drive  
 Bearings..... Shielded & Permanently Lubricated  
 Centrifugal Switch/Contacts Type..... External

**Main Specifications:**

**Operation Info**

|   |            |
|---|------------|
| Spindle Travel.....                     | 5 in.      |
| Max Distance Spindle to Column.....     | 8 in.      |
| Max Distance Spindle to Table.....      | 18 in.     |
| Longitudinal Table Travel (X-Axis)..... | 23-1/2 in. |
| Cross Table Travel (Y-Axis).....        | 7 in.      |
| Vertical Head Travel (Z-Axis).....      | 5-1/4 in.  |
| Ram Travel.....                         | 12 in.     |
| Drilling Capacity for Cast Iron.....    | 1-1/4 in.  |
| Drilling Capacity for Steel.....        | 1-1/4 in.  |
| End Milling Capacity.....               | 3/4 in.    |
| Face Milling Capacity.....              | 3 in.      |

**Table Info**

|   |               |
|---|---------------|
| Table Length.....                             | 32 in.        |
| Table Width.....                              | 9-1/2 in.     |
| Table Thickness.....                          | 1-7/8 in.     |
| Number of T-Slots.....                        | 4             |
| T-Slot Size.....                              | 5/8 in.       |
| T-Slots Centers.....                          | 2-1/16 in.    |
| Number of Longitudinal Feeds.....             | Variable      |
| X-Axis Table Power Feed Rate.....             | 0 – 11.67 FPM |
| X/Y-Axis Travel per Handwheel Revolution..... | 0.100 in.     |

**Spindle Info**

|  |                         |
|--|-------------------------|
| Spindle Taper.....                     | R-8                     |
| Number of Vertical Spindle Speeds..... | 12                      |
| Range of Vertical Spindle Speeds.....  | 150 – 3000 RPM          |
| Quill Diameter.....                    | 2.950 in.               |
| Drawbar Thread Size.....               | 7/16-20                 |
| Drawbar Length.....                    | 16-1/2 in.              |
| Spindle Bearings.....                  | Tapered Roller Bearings |

**Construction**

|                            |                  |
|----------------------------|------------------|
| Spindle Housing/Quill..... | Cast Iron        |
| Table.....                 | Ground Cast Iron |
| Head.....                  | Cast Iron        |
| Column/Base.....           | Ground Cast Iron |
| Base.....                  | Cast Iron        |
| Paint Type/Finish.....     | Enamel           |

**Other**

|                              |        |
|------------------------------|--------|
| Optional Stand.....          | G5944  |
| Recommended Mobile Base..... | D2057A |

**Other Specifications:**

|  |                          |
|--|--------------------------|
| Country of Origin .....  | China                    |
| Warranty .....   | 1 Year                   |
| Approximate Assembly & Setup Time .....                              | 1-1/2 Hours              |
| Serial Number Location .....   | ID Label on Head Casting |
| ISO 9001 Factory .....   | Yes                      |
| Certified by a Nationally Recognized Testing Laboratory (NRTL) ..... | No                       |

**Features:**

Clutch-Type Downfeed Mechanism  
Graduations in Inches  
Exclusive Fine Downfeed is Graduated in .001" and is Engaged by Clutch-Type Mechanism  
Heavy-Duty 12-Speed Tapered Roller Bearing Spindle  
Top Quality Workmanship Throughout  
Push Button Switch with Thermal Overload Protector  
Servo-Type Variable Speed Power Feed Table, Mounted on Left Side

**Accessories Included:**

1/2" Drill Chuck  
3" Angle Vise  
3" Face Mill