



# MACHINE DATA SHEET

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

## MODEL G1005Z MILL/DRILL MILLING MACHINE #25

### Product Dimensions:

Weight..... 374 lbs.  
Width (side-to-side) x Depth (front-to-back) x Height..... 36-1/2 x 34-1/2 x 40 in.  
Footprint (Length x Width)..... 20-1/2 x 13 in.

### Shipping Dimensions:

Type..... Wood Crate  
Content..... Machine  
Weight..... 435 lbs.  
Length x Width x Height..... 28 x 29 x 41 in.

### Electrical:

Minimum Circuit Size..... 20 amp  
Switch..... Push Button  
Switch Voltage..... 110V  
Cord Length..... 6 ft.  
Cord Gauge..... 14 gauge  
Plug Included..... Yes

### Motors:

#### Main

Type..... TEFC Capacitor Start Induction  
Horsepower..... 1 HP  
Voltage..... 110V/220V  
Prewired..... 110V  
Phase..... Single  
Amps..... 12A/6A  
Speed..... 1725 RPM  
Cycle..... 60 Hz  
Number of Speeds..... 1  
Power Transfer ..... Belt Drive  
Bearings..... Shielded, Permanently Lubricated

### Main Specifications:

#### Operation Info

Spindle Travel..... 3-5/8 in.  
Swing..... 16 in.  
Longitudinal Table Travel..... 15 in.  
Cross Table Travel..... 5-1/2 in.  
Head Tilt (Left-to-Right)..... 360 deg.  
Distance Spindle to Column..... 8 in.  
Distance Spindle to Table..... 14-3/8 in.  
Drilling Capacity for Cast Iron..... 1 in.  
Drilling Capacity for Steel..... 1 in.  
Number of Vertical Spindle Speeds..... 12  
Range of Vertical Spindle Speeds..... 110 - 2580 RPM  
Quill Diameter..... 2.440 in.

**Table Info**

Table Length.....	23 in.
Table Width.....	7-1/2 in.
Table Thickness.....	1-3/4 in.
Number of T-Slots.....	4
T-Slots Width.....	1/2 in.
T-Slots Height.....	7/8 in.
T-Slots Centers.....	1-1/2 in.
Stud Size.....	3/8 in.

**Spindle Info**

Spindle Taper.....	R-8
Spindle Sleeve Diameter.....	2.44 in.
End Milling Capacity.....	1/2 in.
Face Milling Capacity.....	3 in.
Drawbar Diameter.....	7/16 in.
Drawbar TPI.....	7/16 - 20
Drawbar Length.....	13-1/2 in.
Spindle Bearings.....	Tapered Roller

**Lead Screw Info**

Leadscrew Diameter.....	0.935 in.
Leadscrew TPI.....	10
Leadscrew Length.....	X-30, Y-15-3/4 in.

**Construction**

Spindle Housing/Quill.....	Cast Iron
Table.....	Ground Cast Iron
Head.....	Cast Iron
Column.....	Ground Cast Iron
Base.....	Cast Iron
Paint.....	Enamel

**Other**

Collar Graduations.....	0.001 in.
Column Diameter.....	3-5/8 in.
Optional Stand.....	G5943
Recommended Mobile Base.....	G7314Z

**Other Specifications:**

ISO 9001 Factory .....	Yes
Country Of Origin .....	China
Warranty .....	1 Year
Serial Number Location .....	Machine Label on Head Casting
Customer Assembly & Setup Time .....	30 minutes
Sound Rating .....	80 dB

**Features:**

- Head Swivels 360 deg.
- Front Mounted On/Off Switch with Thermal Overload Protection
- Excellent Speed Range
- Extremely Quiet Machine
- Easy Clutch-Type Mechanism for Engaging Fine Down-Feed
- Positive Quill Lock
- Adjustable Gibs on Table and Saddle
- Adjustable Stops on Table
- Spindle Supported by Heavy Duty, Tapered Roller Bearings
- Graduations in Inches

**Accessories Included:**

- 1/2" Drill Chuck and key
- 2-1/2" Carbide-Tipped Face Mill and R-8 Arbor
- 3-1/2" Angle Drill Vise