



# 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.  
Length/Width/Height..... 36-1/2 x 34-1/2 x 40 in.  
Foot Print (Length/Width)..... 20-1/2 x 13 in.

### Shipping Dimensions:

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

### Electrical:

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

### Motors:

#### Main

Type..... TEFC Capacitor Start Induction  
Horsepower..... 1 HP  
Voltage..... 110/220V  
Prewired..... 110V  
Phase..... Single  
Amps..... 12/6A  
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 Swivel..... 360 deg.  
Max. Dist Spindle To Column..... 8 in.  
Max. Dist Spindle To Table..... 14-3/8 in.  
Drilling Cap For Cast Iron..... 1 in.  
Drilling Cap For Steel..... 1 in.  
No. Of Vert. Spindle Speeds..... 12  
Range Of Vert. Spindle Speeds..... 110 - 2580 RPM  
Quill Dia..... 2.440 in.

**Table Info**

Table Length.....	23 in.
Table Width.....	7-1/2 in.
Table Thickness.....	1-3/4 in.
No. 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 Cap.....	1/2 in.
Face Milling Cap.....	3 in.
Draw Bar Diameter.....	7/16 in.
Draw Bar TPI.....	7/16 - 20
Draw Bar Length.....	13-1/2 in.
Spindle Bearings.....	Tapered Roller

**Lead Screw Info**

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

**Construction**

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

**Other**

Collars Calibrated.....	0.001 in.
Column Dia.....	3-5/8 in.
Optional Stand.....	G5943
Mobile Base.....	G7314Z

**Other Specifications:**

ISO Factory .....	ISO 9001
Country Of Origin .....	China
Warranty .....	1 Year
Serial Number Location .....	Machine Label on Head Casting
Assembly 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