



# MACHINE DATA SHEET

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

## MODEL G0876 8" X 27" ATC ENCLOSED CNC MILL

### Product Dimensions:

Weight ..... 3080 lbs.  
 Width (side-to-side) x Depth (front-to-back) x Height ..... 71 x 65 x 79 in.  
 Footprint (Length/Width) ..... 110 x 86 in.

### Shipping Dimensions:

Type ..... Wood Crate  
 Content ..... Machine  
 Weight ..... 3350 lbs.  
 Length x Width x Height ..... 80 x 72-1/2 x 85 in.  
 Must Ship Upright ..... Yes

### Electrical:

Power Requirement ..... 220V, 3-Phase, 60 Hz  
 Full-Load Current Rating ..... 14.1A  
 Minimum Circuit Size ..... 20A  
 Connection Type ..... Cord & Plug  
 Power Cord Length ..... 6-1/2 ft.  
 Power Cord Gauge ..... 12 AWG  
 Recommended Plug Type ..... 15-20

### Motors:

#### Spindle

Horsepower ..... 3 HP  
 Phase ..... 3-Phase  
 Amps ..... 6.4A  
 Speed ..... 10,000 RPM  
 Type ..... Servo  
 Power Transfer ..... Belt Drive  
 Bearings ..... Shielded & Permanently Lubricated

#### X-Axis

Horsepower ..... 1 HP  
 Phase ..... 3-Phase  
 Amps ..... 2.1A  
 Speed ..... 4,000 RPM  
 Type ..... Servo  
 Power Transfer ..... Direct Drive  
 Bearings ..... Sealed & Permanently Lubricated

#### Y-Axis

Horsepower ..... 1 HP  
 Phase ..... 3-Phase  
 Amps ..... 2.1A  
 Speed ..... 4,000 RPM  
 Type ..... Servo  
 Power Transfer ..... Direct Drive  
 Bearings ..... Sealed & Permanently Lubricated

## Z-Axis

Horsepower .....	1.3 HP
Phase .....	3-Phase
Amps .....	3A
Speed .....	3,000 RPM
Type.....	Servo
Power Transfer.....	Direct Drive
Bearings .....	Sealed & Permanently Lubricated

## Tool Changer

Horsepower .....	60 Watts
Phase .....	3-Phase
Amps .....	0.24A
Speed .....	1360 RPM
Type.....	Servo
Power Transfer.....	Gearbox
Bearings .....	Sealed & Permanently Lubricated

## Coolant Pump

Horsepower .....	97 Watts
Phase .....	3-Phase
Amps .....	0.5A
Speed .....	2800 RPM
Type.....	Induction
Power Transfer.....	Direct Drive
Bearings .....	Shielded & Permanently Lubricated

## Main Specifications:

### Operation Information

Max Distance Spindle to Column .....	11 in.
Max Distance Spindle to Table .....	16-1/2 in.
Longitudinal Table Travel (X-Axis) .....	12-3/16 in.
Cross Table Travel (Y-Axis) .....	7-3/4 in.
Vertical Head Travel (Z-Axis) .....	11-3/4 in.
Position Resolution.....	± 0.0008 in. (0.020 mm)
Repeat Position Resolution .....	± 0.0005 in. (0.013 mm)

### Tool Changer Info

Type.....	Turntable Style
Capacity.....	8 Tools
Maximum Tool Weight.....	13 lbs
Maximum Tool Diameter with Adjacent Tool .....	2-3/4 in.
Tool Change Average Time .....	6 Seconds

### Table Info

Table Length .....	27 in.
Table Width .....	8-1/4 in.
Table Thickness .....	2-3/8 in.
Table Height (from Floor/Base).....	45 in.
Table Weight Capacity .....	220 lbs.
Number of T-Slots .....	3
T-Slot Size.....	5/8 in.
T-Slots Centers .....	2-1/2 in.
X-Axis Rapid Feed Rate.....	400 IPM
Y-Axis Rapid Feed Rate.....	400 IPM
Z-Axis Rapid Feed Rate .....	400 IPM

**Spindle Info**

Spindle Taper ..... BT30  
Pull Stud ..... BT30 x 45°  
Spindle Speed Range ..... 50 - 10,000 RPM  
Spindle Bearings (Size & Type) ..... Angular Contact Bearings

**Fluid Capacities**

Coolant Capacity ..... 13 Gallons

**Construction**

Spindle Housing/Quill ..... Steel  
Table ..... Cast Iron  
Head ..... Cast Iron  
Column/Base ..... Cast Iron  
Stand ..... Cast Iron  
Paint Type/Finish ..... Enamel

**Other Specifications:**

Country of Origin ..... China  
Warranty ..... 1 Year  
Approximate Assembly & Setup Time ..... 1-1/2 Hours  
Serial Number Location ..... Machine ID Label  
ISO 9001 Factory ..... Yes

**Features:**

Siemens Sinumerk® CNC Controller  
Servo Motors with Ball Screws on All Axes  
Built-In Pendant/Hand Controller  
Powerful 3 HP Spindle Motor  
50–10,000 RPM Spindle Speeds  
Easy Access to Table from 3 Sides  
Hands-Free Tool Changes with 8-Position Automatic Tool Changer (ATC)  
Rapid Table Speeds of Up to 400 in./min.  
Heavy-Duty BT30 Spindle