

# Fadal

## VMC 6032

CNC Vertical Machining Center  
with Fadal 64MP CNC Controller

### 2 YEAR WARRANTY

2-Year/4,000 User-Hours\*

\*Whichever comes first



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**MADE  
FOR MACHINISTS  
BY MACHINISTS.**

*Fadal.com*

# VMC 6032

CNC Vertical Machining Center  
with Fadal 64MP CNC Controller

## STANDARD FEATURES

- Rigid Box Way Construction
- Extremely Rigid Y-Axis Quad Ways
- Dual Range / High Torque Spindle
- 24 Tool Dual Arm Tool Changer
- Spindle Oil Cooler
- Rigid Taping
- High Speed Machining
- Bright LED Work Lamp & Light Tubes
- Fully Enclosed
- 4 x Chip Augers (3 w/ Optional Chip conveyor)
- Spindle Air Blast
- Automatic PDI Lubrication System
- Dual Supported / Pre-Tensioned Ballscrews
- Auto Lubricated Ballscrews & Thrust
- Bearings Operation Indicator Lamp
- Chip Wash Down System
- 3-Stage Chip Separation
- **2- Year /4,000 User-Hours Warranty\***

\*Whichever comes first



## SPECIFICATIONS

### TRAVEL

X-Axis Travel (in.)	60
Y-Axis Travel (in.)	32
Z-Axis Travel (in.)	30
Spindle Nose to Table (in.)	5-35/13-43**
Spindle Center to Column (in.)	30.2

### TABLE

Table Dimensions (in.)	61x30
T-Slot Dimensions (In.)	(5) 5.5 x .709 x 1.25
Max. Table Load (lbs.)	4,400

### SPINDLE

Spindle Type	CAT-40/BT-40*
Spindle Speed (RPM)	10,000/15,000*
Spindle Torque (ft. lbs)	220/300*
Spindle Motor (HP) Peak	22.5/30*

### FEED

Rapid Travel Rate X,Y & Z (IPM)	787 / 787 / 590
Ballscrew Diameter X, Y & Z Axis (mm)	50

### ATC

Tool Capacity	24 / 30* / 40*
Tool Change Type	Dual Arm
Tool Change Time (sec.)	1.5 tool to tool
Max. Tool Weight (lbs.)	15
Max. Tool Diameter (in.)(with adjacent tool)	4.9 (3.1)
Max. Tool Length (In.)	13.8
Tool Selection Method	Random

### OTHER

Machine Dimensions L x W x H (in.)	166 x 118 x 132
with Chip Conveyor	220 x 118 x 132
Machine Weight (lbs.)	32,400

Specifications subject to change without notice

\* Optional

\*\* Optional 8" Riser Block

## OPTIONAL FEATURES

- Chain Type Chip Conveyor
- Very High Torque Spindle (VHT)
- Coolant-Thru-Spindle (CTS)
- Coolant-Thru-Spindle: Head Prep Only
- 15,000 RPM Spindle: Greasepack
- 15,000 RPM Spindle: Air/Oil
- Hard Wired Tool Presetter
- Wireless Touch Probe
- Wireless Tool Presetter
- Wireless Touch Probe/Tool Presetter
- 30 Tool ATC
- 40 Tool ATC
- 8" Column Riser
- 4th & 5th Axis Prewire
- 4th Axis Servo Disconnect (4 Axis Ready)
- 4th/5th Axis Servo Disconnect (4+1 Axis Ready)
- 4th/5th Axis Servo Disconnect (5 Axis Simultaneous)
- FR-8D: 8" Rotary Table (Req. 4th Axis Servo Disconnect)
- FR-10D: 10" Rotary Table (Req. 4th Axis Servo Disconnect)
- FR-12D: 12" Rotary Table (Req. 4th Axis Servo Disconnect)
- FR-15D: 15" Rotary Table (Req. 4th Axis Servo Disconnect)
- Tailstock: FR-8D,10D,12D,15D (Manual Clamp w/Quill)
- 3-Jaw Chuck with Flange: FR-8D,10D,12D,15D
- Rotational Tool Center Point (RTCP)

## FADAL 64MP CONTROLLER

- Backward Compatible: 88HS & MP
- 15" Color Monitor
- Memory 4GB
- 3,000 Blocks/Sec Look Ahead
- Networking & USB Ports
- High Speed Machining
- Jog Away
- Mirror Imaging
- Mid-Program Start
- Conversational Programming
- 5 Axis Compatible
- Coordinate Rotation & Scaling



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