

Fadal

VMC 4020

CNC Vertical Machining Center
with Fadal 64MP CNC Controller



2 YEAR WARRANTY

2-Year/4,000 User-Hours*

*Whichever comes first

☎ 844.323.2526

✉ SALES@FADAL.COM

**MADE
FOR MACHINISTS
BY MACHINISTS.**

Fadal.com

STANDARD FEATURES

- Rigid Box Way Construction
- Dual Spindle Range
- Spindle Oil Cooler
- Rigid Taping
- High Speed Machining
- LED Work Lamp
- Fully Enclosed
- Spindle Air Blast
- Automatic PDI Lubrication System Operation
- Operation Indicator Lamp
- 3-Stage Chip Separation
- Dual Supported / Pre-Tensioned Ballscrews
- Auto Lubricated Ball Screws & Thrust Bearings
- High Torque Spindle Package
- Cooled Electrical Cabinet
- **2- Year /4,000 User-Hours Warranty***

*Whichever comes first



LED Work Lamp



PDI Lubrication System

SPECIFICATIONS

TRAVEL

X-Axis Travel (in.)	40
Y-Axis Travel (in.)	20
Z-Axis Travel (in.)	20/30"
Spindle Nose to Table (in.)	5-25/5-35*
Spindle Center to Column (in.)	21.25

TABLE

Table Dimensions (in.)	47.25 x 19.75
T-Slot Dimensions (in.)	(5) 3.75 x .709 x 1.25
Max. Table Load (lbs.)	1,320

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)	1,000 / 1,000 / 1,000
Ballscrew Diameter X, Y & Z Axis (mm)	40

ATC

Tool Capacity	24/30*/40*
Tool Change Type	Dual Arm
Max. Tool Weight (lbs.)	15
Max. Tool Diameter (in.)(with adjacent tool)	4.9 (3.1)
Max. Tool Length (In.)	13.5
Tool Selection Method	Random

OTHER

Machine Dimensions L x W x H (in.)	109 x 87 x 110
with Chip Conveyor	155 x 87 x 110
Machine Weight (lbs.)	12,140

Specifications subject to change without notice

* Optional

OPTIONAL FEATURES

- Chain Type Chip Conveyor
- 4th Axis Prewire
- 4th Axis Servo Disconnect (4 Axis Ready)
- 4th/5th Axis Servo Disconnect (4+1 Axis Ready)
- 4th/5th Axis Servo Disconnect (Simultaneous)
- FR-6D: 6 Inch Rotary Table (Req. 4th Axis disconnect)
- FR-6A: 6 Inch High Speed Rotary Table (Req. 4th Axis disconnect)
- FR-8D: 8 Inch Rotary Table
- FR-10D: 10 Inch Rotary Table
- FTR-8D: Tilting Rotary Table
- 5C Collet Closure - Pneumatic
- 6, 8, or 10 Inch 3-Jaw Chuck with Flange
- RTCP (Rotational Tool Center Point)
- Hard Wired Tool Presetter
- Wireless Tool Presetter
- Wireless Touch Probe
- Wireless Touch Probe/Tool Presetter
- Very High Torque Spindle (VHT)
- 15,000 RPM Spindle (Grease Pack)
- 15,000 RPM Spindle (Air/Oil)
- Coolant Thru Spindle
- Remote Manual Pulse Generator (RMPG)
- Chip Washdown System (Rear and/or side)
- Additional LED Light Tube
- 30 or 40 Tool ATC

FADAL 64MP CONTROLLER

- Backward Compatible 88HS & MP
- Memory 4GB
- 3,000 Blocks/sec Look Ahead
- Networking & USB Ports
- High Speed Machining

