

## AMS 1060V-PRO: Machine Overview

Full Machine Enclosure with Standard Equipped Mist Collection Unit and 700 PSI High Pressure CTS System

FANUC OiMF+ CNC Control - AICCII with 400 Block Look Ahead Fine Mold Control Package

Side Discharge Chip Conveyor with High Pressure CTS, Cyclonic Filtration, and Mist Collection

Thirty (30) Pocket Automatic Tool Changer with Rear Access Tool Loading Door for CAT40 Tooling

Built in Automatic Door Package and Light Curtains for Production Ready Machining.

# AMS<sup>®</sup>



**Machine Envelope and Travels**

Table Cross Travel (X Axis)	39.4" (1000 mm)
Spindle Head Vertical Travel (Y Axis)	23.6" (600 mm)
Work Table Travel (Z Axis)	23.6" (600 mm)
Spindle Nose to Top of Pallet	3.94" (100 mm)
Rapid Traverses (X, Y and Z Axes)	1575 ipm (40 M / min)

**Machine Pallet**

Table Size	47.2" x 23.6" (1200 x 600 mm)
Maximum Work Load on the Pallet	1760 lbs. (800 kg)
Pallet Height from Floor	39.4" (1000 mm)

**Spindle Specifications**

Spindle Speed	50 ~ 12,000 RPM
Spindle Ceramic Bearing Inside Diameter	70mm
Spindle Drive Motor	25 HP

**Tooling and Magazine**

Spindle Nose Taper	CAT 40
Type of Stored Tool	CAT #40 V-Flange / Pullstud: MAS Type I P40T
Standard Tool Storage Capacity	Thirty (30)
Maximum Tool Size (Diameter x Length)	(Diameter x Length) $\varnothing$ 2.95" x 9.84" ( $\varnothing$ 75 x 250 mm)
Maximum Tool Weight	17.6 lbs. (8 kg)
Tool Selection	Random

**Machine Dimensions and Requirements**

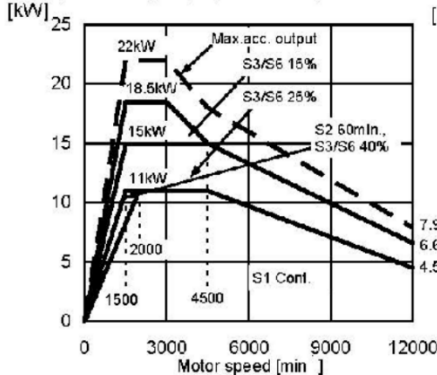
Power Capacity (208V)	25 kVA
Standard Floor Space	Refer to Layout
Standard Net Weight	14,330 lbs. (6,500 kg)

*All specifications are subject to change without prior notice  
Verification of technical changes maybe confirmed after receipt of order*

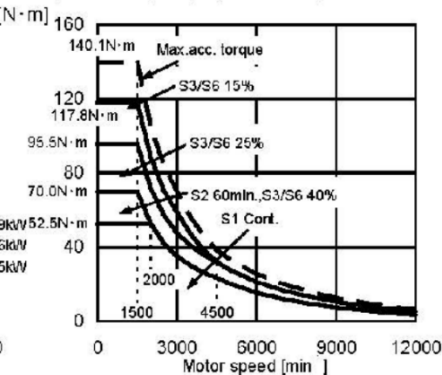
## 1060V-PRO Package:

12,000 RPM – 25HP Direct Drive Spindle	STD
Big Plus Spindle Modification	STD
FANUC OiMF+ Control w/ 10.4" Screen	STD
Front Auto Door with Omron Light Curtains	STD
30 Tool Magazine w/ Rear Load Access	STD
Full Machine Enclosure with Losma Mist Collection	STD
Side Discharge 725PSI High Pressure CTS Coolant Tank	STD
FANUC Fine Mould Feature with AICCI with 400 Block Look Ahead	STD
Cyclonic Filtration Upgrade for Auxillary High Pressure Tank	STD
Spindle Chiller for 12,000RPM Spindle	STD
CE Specification	STD
FANUC Tool Life Management	STD

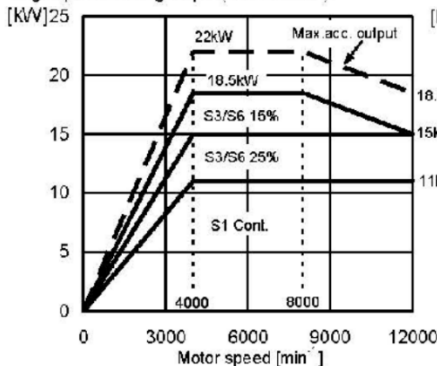
Low-speed winding output (Y connection)



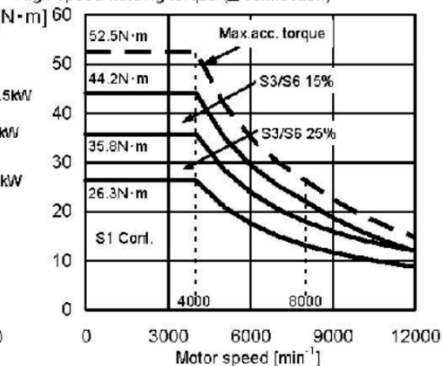
Low-speed winding Torque (Y connection)



High-speed winding output (Δ connection)



High-speed winding torque (Δ connection)



Machine Package









<b>Fanuc OiMF+ Control Package</b>
10.4" LCD
Absolute / Increment Command
Addition of Custom Macro Common Variables
Addition of Workpiece Coordinate System
AI Nano CC
Alarm Display
Alarm History Display
Automatic Corner Override
Automatic Power Off
Background Editing
Backlash Compensation
Canned Cycles
Canned Cycles for Drilling
Circular Interpolation
Conical / Spiral Interpolation
Controllable Axes
Coordinate System Rotation
Custom Macro B
Cutting Feedrate Command
Cutting Feedrate Override
Cylindrical Interpolation
Decimal Point Programming / Pocket Calc Type Decimal Point Programming
Dry Run
Dwell
Emergency Stop
Ethernet Interface (RJ45)
Exact Stop
Exact Stop Mode
Extend Program Edit
FANUC Semi-Operator Panel
Feedrate Speed Setting
G Code Program Mirror Function
Graphic Display
Handle Interruption
Handle Wheel Feedrate
Handle Wheel Override
Helical Interpolation
HRV3 Control
Interpolation
Interpolation Pitch Error Compensation
Least Programmable Increment
Limit Check Before Movement
Linear Acceleration/Deceleration after Cutting Feed
Linear Interpolation
Machine Lock
Manual Reference Position Return

Metric / Inches Conversion
MST Function
Operation History Display
Operator Message History Display
Optional Chamfering / Corner R
Optional Single Block Skip
PC MCIA Memory Card Slot
Plane Selection
Playback
Polar Coordinate Command
Program Number Display
Program Restart
Program Single Block Number
Program Start / Movement Hold
Program Stop / Program End
Program Storage
Programmable Data Input
Rapid Movement Percentage
Rapid Positioning
Rapid Traverse Bell-Shaped Acceleration / Deceleration
Registered Program Number
Remote Diagnostic
Rigid Tapping
RS232 Interface
Run Hour and Parts Count Display
Scaling
Simultaneous Axes
Single Block
Single Direction Positioning
Soft Limit Setting
Spindle Positioning
Spindle Speed Override
Sub-Program Call
Tool Offset
Tool Offset Memory C
Tool Offset Value Counter Input
Tool Positioning Offset
Tool Radius Compensation C
Workpiece Coordinate System
Z Axis Lock