

►► **Built for a Lifetime**

## ► **VGM Series Metal Machining Center**



The VGM Series of CNC machining centers from Komo Machine has been developed specifically for the customer who requires a heavy-duty machine capable of cutting ferrous and non-ferrous metals. These machines feature a moving gantry and tool changer options for a total capacity of 15, 30 or 60 tools.

### **Features**

- ◆ 34.8HP (26kw), 6000 RPM, CAT 40, belt-driven spindle (standard)
- ◆ 15 position automatic tool changer with aggregate capability (one additional 15 position tool changer available)
- ◆ Multiple coolant options available
- ◆ Advanced Fanuc HVI servo system tuned for optimum acceleration and deceleration
- ◆ Fanuc Panel i control with integrated PC
- ◆ Precision machined aluminum table (2") with options available
- ◆ Pressurized automatic centralized lubrication system
- ◆ KOMO Production Manager and Machine Monitoring software
- ◆ 19" touch screen display

### **Construction**

- ◆ FEA "Finite Element Analysis" engineered structure
- ◆ Heavy-duty steel fabrication
- ◆ Closed-loop counterbalance system minimizes plant air consumption

# KOMO

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# VGM Series - Technical Data

## Spindle

Quantity	One (1)
Type	34.8HP (26kw), belt-driven (standard)
RPM	Up to 6,000, fully programmable
Taper	CAT 40

## Table

1206	144" x 72" (3658mm x 1829mm)
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## Aggregate-Capable Tool Changer

Max Quantity	15 tools
Max Diameter	3.25" (82mm) positions full; 6.5" (165mm) adjacent positions empty
Max Weight	12 lbs each / 96 lbs total (5.4kg / 43.5kg)
Max Length	10.5" (266mm)

## Feed Rate/Traverse

X Axis	2000ipm (50.8mpm)
Y Axis	2000ipm (50.8mpm)
Z Axis	730ipm (18.7mpm)
Acc/Dec	83.3 in/sec <sup>2</sup>

## Axis Travel

1206	151" (3835mm) x 75.25" (1911mm) x 24" (610mm)
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## Positioning

Accuracy	±0.0006" (0.015mm) linear axis repeatability
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## Control System

Fanuc Panel i	With integrated PC and 19" touch screen display
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## Options

Tooling Package	A complete set of tool holders, configured per customer requirements
Vacuum Pumps	Started via pushbutton on main operator panel, with remote start relay
Vacuum System	With low vacuum sensing interface
Safety Equipment	Laser scanners, light curtains, pressure mats
Dual Screen	Additional 19" screen attached to the HMI
Coolant	Mist, flood and coolant-thru-spindle
Table	Aluminum universal grid, steel with T slots, inserts, non-machined, custom
Chip Removal	Dual augers, chip guards around front and back of table
IMS	Integrated Measuring System available on X, Y and Z axes
Tool Setter	Contact or non-contact tool setting and tool breakage detection
Part Probe	Measure complex 3D part geometries with high accuracy touch probe