



August 7, 2012

## Vertical Machining Center

# *VX-1000 / VX-1500*

### 2 models release

Matsuura Machinery Corporation will start to sell vertical machining center models, *VX-1000* and *VX-1500*, from today.

Vertical machining centers, *VX-1000* (X-/Y-/Z-axis stroke: 1,020 / 610 / 610 mm) and *VX-1500* (X-/Y-/Z-axis stroke: 1,524 / 700 / 610 mm), are Matsuura's newest models that offer excellent cost performance.

Recently Asian machine tool builders have gained power and there is rapid downward trend in the market price of vertical machining centers. Matsuura has decided to heighten price competitiveness in the global market of vertical machining centers through an OEM contract with a Taiwanese builder for development of *VX-1000* and *VX-1500*. *Matsuura* technologies are fully utilized into these OEM machines as a new approach towards "Engineered by *Matsuura*" to achieve an economical price while maintaining the Matsuura quality.

Matsuura's original **MAXIA** spindle of 15,000 min<sup>-1</sup>, which is the "heart" of machining centers, is newly developed to cope with all-around machining applications from high-speed aluminum machining to hard-to cut material machining.

Standard features include a lift-up chip conveyor (scraper type), spiral chip conveyor, high-pressure through-spindle coolant (2MPa), and CE marking in compliance with EU safety standards, which were optional features so far, to ensure good cost performance.

Matsuura will exhibit the *VX-1000* at JIMTOF2012 (The 26th Japanese International Machine Tool Fair) that is to be held from November 1 at Tokyo Big Sight.

## VX-1000/ VX-1500 Specifications

1. X-/Y-/Z-axis stroke : 1,020 / 610 / 610 mm [VX-1000]  
 : 1,524 / 700 / 610 mm [VX-1500]
2. Table size : 1,200 x 600 mm [VX-1000]  
 : 1,700 x 700 mm [VX-1500]
3. Loading capacity : 500 kg [VX-1000]  
 : 2,000 kg [VX-1500]
4. Tool magazine : 30-tool drum type (standard) [VX-1000]  
 \* 48-/60-tool chain type (option)  
 : 48-tool chain type (standard) [VX-1500]  
 \* 60-tool chain type (option)
5. Standard features : Lift-up chip conveyor (scraper type)  
 : Spiral chip conveyor (right/left)  
 : High-pressure through-spindle coolant (2MPa)  
 : Workpiece cleaning gun, chip flush, air blow for chip removal  
 : External manual pulse generator, 3-color status light  
 : Spindle thermal displacement compensation (temperature monitor type)  
 : CE marking

### <<MAXIA Spindle>>

6. Spindle speed range : 15,000 min<sup>-1</sup> [VX-1000/ VX-1500]
7. Maximum spindle torque : 150 Nm/1,400 min<sup>-1</sup> [VX-1000]  
 : 350 Nm/600 min<sup>-1</sup> [VX-1500]
8. Spindle motor : AC15/22 (low speed: cont./15 min) [VX-1000]  
 AC15/22 (high speed: cont./15 min)  
 : AC15/22 (low speed: cont./40%) [VX-1500]  
 AC26/30 (high speed: cont./30 min)

## Main Specifications

Item	Unit	VX-1000	VX-1500
Travel (X / Y / Z axis)	mm (In.)	1,020/610/610 (40.15/24.01/24.01)	1,524/700/610 (60.00/27.55/24.01)
Working surface	mm (In.)	1,200 x 600 (47.24 x 23.62)	1,700 x 700 (66.92 x 27.55)
Loading capacity	kg (lb.)	500 (1,100)	2,000 (4,400)
Rapid traverse rate (X / Y / Z axis)	m/min (ipm)	40/40/36 (1,574.8/1574.8/1417.3)	36/36/36 (1,417.3/1417.3/1417.3)
Spindle speed	min <sup>-1</sup>	15,000	15,000
Spindle nose type		BT40	BT40