

Press Release



September 5, 2017

Vertical Machining Center 「VX-660」 Machine Release

Today, we are pleased to announce that we will begin selling our new vertical machining center model, the *VX-660*.

Since 2012, vertical machining centers have seen the expected market price decrease as the presence of Asian machine tool builders has increased.

With the goal of developing a new pricing strategy that ensures we remain competitive in the global market, we struck an alliance with a Taiwanese builder for an OEM partnership to develop the *VX* Series. This has allowed us to continue to produce the highest quality machines that both showcase *Matsuura*'s renowned engineering technologies and maintain an attractive price point.

As of the end of August 2017, we have shipped a total of 350 *VX* Series units, and we have received tremendously positive customer feedback.

With a 550-mm Y-axis stroke, the *VX-660* has the size capacity of one rank larger model. We have developed the 15,000 min⁻¹ **MAXIA** spindle, which is the *Matsuura* original, for the "heart" of the machining centers, to cope with all-around machining applications from high-speed aluminum machining to hard-to-cut material machining. The high-speed 20,000 min⁻¹ spindle is available as an option.

Some of the features which were previously offered as options now come as standard to ensure high cost performance. A few of these include the lift-up chip conveyor (scraper type), the workpiece cleaning gun, the chip flush, the air blow for chip removal, and CE marking to be in compliance with EU safety standard requirements.

Matsuura will exhibit the *VX-660* at the EMO Hannover 2017 (September 18-23 in Hannover, Germany).

VX-660 Specifications

1. X-/Y-/Z-axis stroke : 660/ 550/ 560mm
2. Table size : 940x550mm
3. Loading capacity : 500kg
4. Tool magazine : 30-tool drum type (standard)
*48-/60-tool chain type (option)
5. Standard features : Lift-up chip conveyor (scraper type)
: 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 : 15,000min⁻¹ (standard)
*20,000min⁻¹ (option)
7. Maximum spindle torque : 150Nm/1,400min⁻¹
8. Spindle motor : AC15/22kw (low speed: cont./15 min)
AC15/22kw (high speed: cont./15 min)

Main Specifications

Item	Unit	<i>NEW</i> VX-660	VX-1000	VX-1500
Travel(X/Y/Z axis)	mm (In.)	660/550/560 (25.98/21.65/22.04)	1,020/610/610 (40.15/24.01/24.01)	1,524/700/610 (60.00/27.55/24.01)
Working surface	mm (In.)	940 x 550 (37.00 x 21.65)	1,200 x 600 (47.24 x 23.62)	1,700 x 700 (66.92 x 27.55)
Loading capacity	kg (lb.)	500 (1100)	500 (1,100)	2,000 (4,400)
Rapid traverse rate (X/Y/Z axis)	m/min (ipm)	48/48/48 (1889.7/1889.7/1889.7)	40/40/36 (1,574.8/1574.8/1417.3)	36/36/36 (1,417.3/1417.3/1417.3)
Spindle speed	min ⁻¹	15,000	15,000	15,000
Spindle nose type		BT40	BT40	BT40