



October 12, 2016

## Horizontal Machining Center *H.Plus-504*

# Machine Release

Matsuura Machinery Corporation announces the launch of the *H.Plus-504* horizontal machining center and is pleased to accept orders from today.

The *H.Plus* Series of horizontal 4 axis machining centers has built a global reputation in all industry sectors served for high productivity, reliability and low cost of ownership with the standard Matsuura attributes of high speed, high rigidity and high precision. To the present day, over 1,700 *H.Plus* machines have been delivered globally to a wide spectrum of industrial fields, such as aerospace, automotive, medical equipment manufacturers and precision subcontractors. The *H.Plus-504* is a new addition to the lineup, and is equipped with 500-by-500-mm pallet and #40-taper spindle. In response to customer and market demand for the accommodation of larger workpieces, the *H.Plus-504* possesses the largest working envelope in its class and will handle a maximum workpiece size of D800 mm x H1,000 mm, weighing 750kg on each pallet.

Our renowned **MAXIA** spindle is installed as standard. In addition to the standard 12,000 min<sup>-1</sup> spindle, a 20,000 min<sup>-1</sup> (108.4 Nm) for high speed machining and 15,000 min<sup>-1</sup> (350.0 Nm) for high-torque, heavy duty machining are optionally available to deliver optimum performance working all materials, from aluminum to hard-to-cut materials.

A rotary indexing table (B axis) is provided as a standard feature, which is driven with a direct drive motor at the maximum feed rate of 100 min<sup>-1</sup>. In addition, Matsuura's DCS (Dynamic Clamp System) and ADC (Automatic Acceleration & Deceleration Control) intelligently contribute to a shorter cycle/indexing time and higher productivity.

The standard Thermal Meister function and highly expandable ATC/APC options enable extended unmanned operation. [Tool storage capacity: max. 330 tools (matrix type magazine), pallet storage capacity: max. 6 pallets (floor pallet system)]

The NC Matsuura G-Tech 31i is installed with "*MIMS*: Matsuura Intelligent Meister System" and employs a newly developed operation system (with a 15-inch touch panel screen), which improves operability, reduces non-cutting time and facilitates setup, operation and maintenance whilst saving labor and energy.

The *H.Plus-504* is suited to all machining environments - from mass production to one-off prototype creation.

Matsuura will exhibit the *H.Plus-504* at JIMTOF2016 (The 28th Japanese International Machine Tool Fair) that is to be held from November 17 at Tokyo Big Sight.



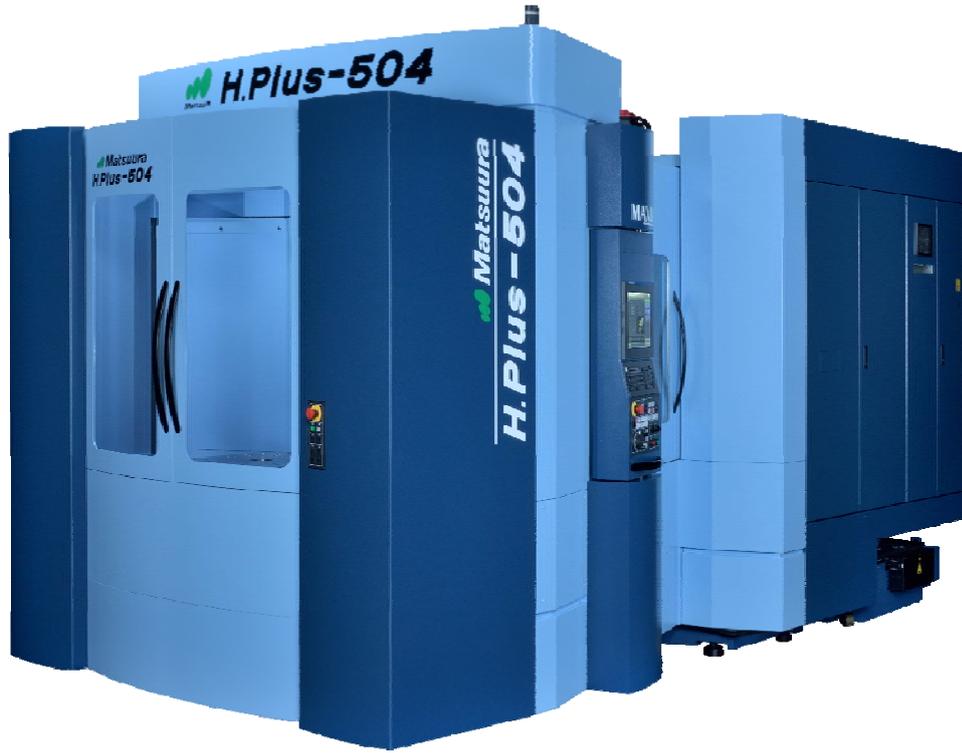


Figure: *H.Plus-504* External View (1)

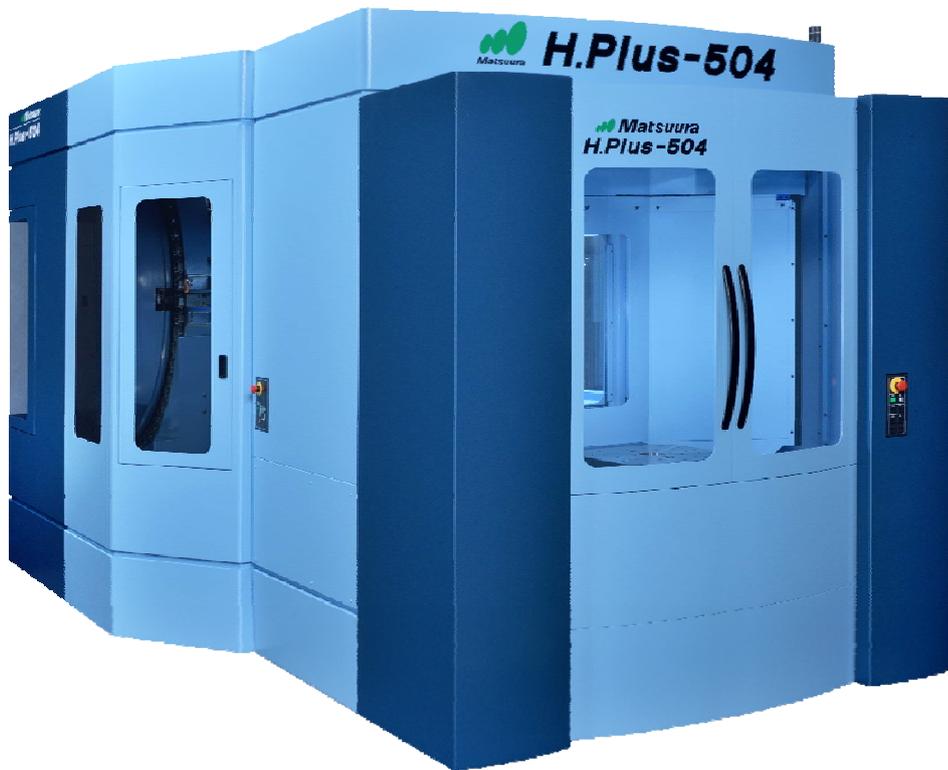


Figure: *H.Plus-504* External View (2)