

For Immediate Release

News From: Absolute Machine Tools, Inc.
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With Art: image of Tongtai HS-22 CNC Turning Center

**New Tongtai Compact CNC Turning Center with Automatic Loading/Unloading
in Action at IMTS 2014**

Absolute Machine Tools Booth S-8536

[Lorain, OH – June 11, 2014] The new Tongtai HS-22 high speed, high precision slant bed turning center distributed by Absolute Machine Tools will be turning components at IMTS 2014 in booth S-8536. IMTS will be held September 8 – 13 in Chicago. The model at IMTS will be equipped with an optional automatic part loading/unloading system. It is unique in that it functions from the end of the machine rather than a gantry system that operates from the top of the machine. According to the company, this is one of the world's fastest load/unload devices with a swap time of only 4.8 seconds. Further, a 14-pallet work stocker enables unattended machining.

The Tongtai HS-22 offers a swing over bed diameter and standard turning diameter of 8.66 inches. Maximum cross travel is 6.1 inches (X-axis) and maximum longitudinal travel is 8.66 inches (Z-axis). Maximum turning length is 7.87 inches. Noteworthy design and construction features of the HS-22 include precision box ways and large servo motors that provide a rigid and compact structure resulting in accurate positioning. To ensure precision and thermal stability, the headstock, tailstock, turret, and saddle are all mounted on a one-piece 30-degree slant bed. The coolant tank is separate from the machine base to prevent heat transfer from the coolant to the machine casting, which contributes to precision and promotes easy chip removal and maintenance tasks.

The spindle assembly is mounted using double row roller bearings in conjunction with angular contact ball bearings for high rigidity and accuracy. The spindle quill inner and outer linings are precision ground for optimal fit with the spindle, which is helpful for concentricity and accuracy. The 6000 RPM (or optional 4500 RPM) spindle is driven by a 15 HP high-torque motor providing plenty of power for a wide range of applications.

A 12 station bi-directional turret provides 0.45 second indexing to the adjacent tool and 1.8 seconds to the 180-degree opposite tool station and provides coolant through the toolholders. C axis and live tools are available as an option with the servo turret hosting VDI-40 quick-change tooling featuring 0.3 indexing time and a 7.5 HP, 6000 RPM milling motor. A rear exit chip conveyor and a 6-inch diameter three-jaw hydraulic chuck are standard.

For more information, visit IMTS 2014 booth S-8536 or contact Absolute Machine Tools at www.absolutemachine.com.

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