

KDT KD-610HZ CNC Drilling Center-



Auckland
19 Allens Road, East Tamaki
Auckland 2013
Ph (09) 271 7700
Fax (09) 271 7728

Christchurch
159 Ferry Road, Waltham
Christchurch 8011
Ph (03) 366 2013
Fax (03) 366 2021

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6-Sided drilling and routing in one process.

Advanced Spindle and Tool Change System

Equipped with a powerful 5.5KW spindle and an automatic tool changer, this CNC drilling machine excels in handling a wide range of processing techniques. Whether you need slotting, milling, or working on complex, invisible parts, this machine offers the flexibility and precision required for diverse manufacturing tasks.

Heavy Duty Machine Frame Construction

It starts with a solid machine frame. The machine frame is made from steel beams 260 x 160 x 8mm. Approximate weight 3000kg.

The frame is robotically welded then put through an annealing process whereby it is heat treated to 590°C. The frame is then powder coated and machined on a 5 axis CNC.

Precision Air Bearing Table

Featuring a double translational air bearing table, this machine ensures exceptional movement flexibility tailored to the exact hole positions. The design not only supports the plate effectively but also enhances drilling accuracy. Additionally, it minimizes dust accumulation at the bottom, maintaining a cleaner work environment and prolonging the lifespan of the machine.

Enhanced Efficiency with Advanced Gripper System

Equipped with double grippers and 3.8-meter-long guide rails. The maximum moving speed of 140m/min significantly reduces unnecessary movements, optimizing the overall processing efficiency. This advanced gripper system ensures reliable, swift operation, helping you meet production demands with ease.

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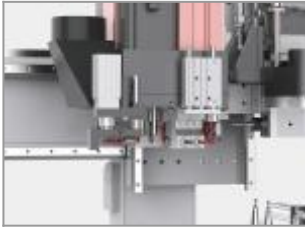
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6-Sided - Processing Units Configuration

Maximum versatility with 6-Sided drilling and routing all in one process. Each unit has its own individual pressure device to ensure the workpiece is held securely for clean and accurate processing. Top Units: Processing from the top down 5.5kW Auto tool change spindle 12 vertical & 8 horizontal spindle drilling head Sawblade for linear grooves in X direction Bottom Units: Processing from the bottom up 3.5kW Manual tool change spindle 12 vertical spindle drilling head



2 Milling spindles

2 milling spindles 5.5kW and 3.5kW , 18000rpm (top and bottom).

The upper milling spindle, due to its increased power, has the ability to work with various tools and carry out various operations - milling under the LAMELLO coupler, side milling and grooving .



5-station linear tool change

The top milling spindle is equipped with a 5-station linear tool change , which saves time when switching from one type of processing to another.

Specifications

Total input power	21.9kW
Maximum workpiece length	2800mm
Minimum workpiece width	35mm
Minimum workpiece length	70mm
Maximum workpiece width	1000mm
Spindle speeds	140 x 90 x 50 m/min

Specifications are subject to change without notice.

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