



**Faster Production on your
Haas VMC 25,000 - 90,000RPM**



Autochange for High Speed



New Autochanger for high speed. Toolchanger assembly and mounting block compatible with Haas, and other VMC's. No need for manual connection (patent pending).



Why are Air Turbine Spindles™ different?

- Governed constant high speed and torque under load with no gears to burn up. 25,000 - 90,000RPM, up to 1.4HP/1.04KW. TIR: 2 Micron.
- These powerful direct drive spindle mounts maintain high speed and torque under load using a patented governor for faster, cleaner cutting action and minimal thermal expansion due to turbine airflow. Great accuracy and reliability 24/7. Mill 1,500 IPM.
- This unique powerful motor has no gears, no vanes or brushes and low vibration. No lubrication or maintenance. Fewer moving parts means less friction, less heat and less repairs.
- Faster feed rates, finer finish quality, improved accuracy and cutting action. High speed cutting extends cutting tool life and finish quality. ER collets up to 1/4" / 6mm capacity.
- Ceramic bearings standard. Cooled by turbine air. Selectable twin airfeed inlets (patent pending), for through shank or side NPT.
- Totally oil free-use 90PSI / 6.2BAR dry clean oil free air only. Use 3 micron filter/extractor included. Do not use hoses, fittings, or couplings less than 1/4" / 6mm internal diameter or 3/8"/7.5mm for 625X/650 units.
- Automatic Toolchanger system: TMA includes toolchanger collar and mounting block (patent pending)

