



Constant high speed air turbine tools

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The 650 Series delivers governed constant high speeds under load - 25,000 to 40,000 rpm, < 0.88 hp (0.66 kW). Robust and reliable, with double front ceramic bearings, the 650 Series is ideal for applications from micro-milling to heavier duty applications with larger tools in all materials, including tool steel, titanium, and ceramics. Ultra-low vibration and no heat in 24/7 operation. Also suitable for drilling with small tools.

Nonstop power and precision with the double turbine 650X Series -25,000 to 40,000 rpm, < 1.40 hp (1.04 kW). The patented governor-controlled high power 650X Series is rigid in cut and maintains constant high speed for trochoidal milling in hard materials. The 650's ceramic bearings are cooled by turbine air, making this a reliable spindle. Mill with No Duty Cycle and No Thermal Expansion.

Support is always available from our technical team in the USA and Germany. Repair Service is available in Florida and Munich. Call our factory technicians at +1-561-994-0500 or email us at .

Air Turbine Live Tools(R) run at high fixed speeds and can operate on any lathe without changing your RPM. Simply change your feed rate to get your desired chip load and get the proper surface footage for micro tooling.

We eliminate the control box, wiring, high frequency brushes and programming complexity. There's no oil or lubrication, too. Quicker and simpler than traditional live tool spindles.

Air Turbine Live Tools(R) are quicker and simpler than traditional live tool spindles; only requiring 90 psi /6.2 bar dry compressed air to operate. There is no control box, wiring, oil lubrication or program complexity to worry about.

Air Turbine Live Tools deliver a constant high speed, maintained by the patented governor. Unlike “nominal RPM” spindles, these tools maintain the high cutting speed while under load.

This results in less friction, low vibration, no thermal expansion and no duty cycle. The governor control delivers power on demand and minimizes air consumption. Air Turbine Live Tools(R) have power on demand with up to 0.4 HP (0.3 kW).

At 80,000 RPM Air Turbine Live Tools(R) increase feed rates 6 - 10x. Speed up your off-center cuts and exponentially increase the production from your lathes by easily machining titanium or steel.

Contact us for free full report

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