

Air Turbine Spindles™

Faster Milling: 1,500" / 3,800cm per minute, 24/7 at 25,000 - 90,000rpm < 1.4HP / 1.04kW. Autochange Option.



Powerful High Speed Spindles

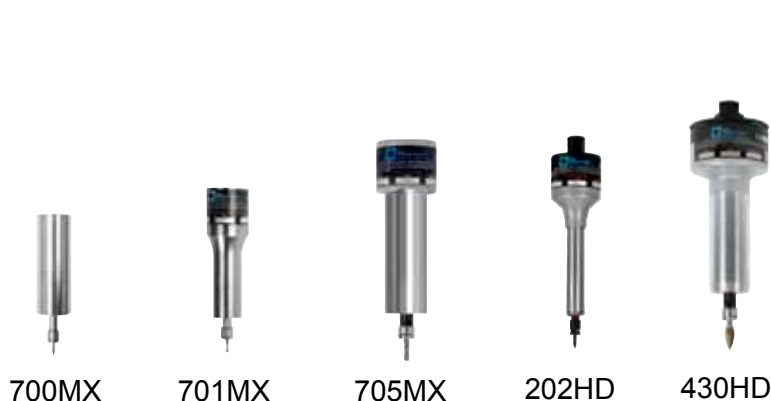
Toochanger Adjustable for all CNC's.

Milling, Slotting, Drilling, Engraving Metal, Plastics, Wood, Ceramics, Graphite

Constant Governed High Speed + Torque maintained by patented governor. No Gears, brushes or Vanes and no Oil. Direct drive: Low vibration, great reliability.

Air Turbine Motors™

Only Two Moving Parts, Governed Turbine + Bearings. No Vanes, Brushes, or Gears to burn up.



700 Series feature sealed motors with hose exhaust for mounted applications: Ideal for lathes, swiss automatics and robotics. Only two moving parts: governed turbine and ceramic bearings. 5 micron accuracy. Faster production - milling, drilling, finishing.

Lathes • Robotics • Swiss Automatics • Lab Mills
Finishing • Routing • Deburring
Drilling Plastic • Rubber • Grinding
Deburring • Aluminum • Steel • Brass

Air Turbine Tools®

Light + Powerful, virtually silent, totally oil free, low vibration.



Polishing • Finishing • Part Cleaning
Engraving • Routing • Tool & Die

Weld and Flash Removal
Steel • Aluminum • Composites

Drilling Plastic, Rubber, Jewelry, Medical, Sports Equipment, Furniture, Aerospace

Routing, Finishing Plastics • Wood • Metal

Reduce Injury with Lower Stress, Weight & Noise, under 67dBa

650BT/CAT/DIN

25,000, 30,000 or 40,000 rpm . 0.8HP / 0.6kw - patented governed high speed under load. This powerful workhorse accelerates cutting action and does not burn up like geared speeders. Milling, routing, drilling, slotting - 5 micron T.I.R accuracy with an ER11 Ultra Collet. The 650 with double front ceramic bearings is reliable in long duration production cycles. 50 Spindle Models Available.

Speed RPM	25,000	30,000	40,000
Power Rating HP	0.76	0.83	0.88
Power Rating KW	0.57	0.62	0.66
Workin Air Consumption - CFM	14 - 35		
Working Air Consumption - L/S	6.61 - 16.52		
TIR Collet Held Shank	< 0.0002" [0.005mm]		
Max Shank Capacity ER11	1/4" [6mm]		

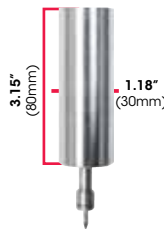
625BT/CAT/DIN + TMA

Constant High Speed performance - 30,000 to 50,000 rpm - the 0.45HP / 0.34 625 with ER11 collet is accurate at TIR 5 micron. Mold making, deburring, superfinishing, marking, robotics and more with more IPM's and a cleaner finished surface. Cut down time and repair costs with low friction, high torque direct drive governed Air Turbine Spindles™. For Auto-Toolchanger ability choose TMA collar manifold & block option.

Speed RPM	30,000	40,000	50,000
Power Rating HP	0.40	0.45	0.45
Power Rating KW	0.30	0.34	0.34
Workin Air Consumption - CFM	11 - 20		
Working Air Consumption - L/S	5.19 - 9.44		
TIR Collet Held Shank	< 0.0002" (0.005mm)		
Max Shank Capacity ER11	1/4" (6mm)		

25,000 - 65,000 RPM Direct Drive Oil Free Motor Mounts

700MX



Speed RPM	40,000	50,000	65,000
Power Rating HP	0.30	0.30	0.40
Power Rating KW	0.22	0.22	0.30
Idle Air Consumption - CFM	4	4	4
Idle Air Consumption - L/S	1.89	1.89	1.89
Workin Air Consumption - CFM	6 - 9		
Working Air Consumption - L/S	2.83 - 4.24		
TIR Collet Held Shank	< 0.0002" [0.005mm]		
Max Shank Capacity ER8 or ER11	1/8" [3mm] or 1/4" [6mm]		

- Sealed with hose exhaust + ER8 or ER11 Collet
- 65,000 rpm - governed performance - No Gears
- 0.4HP super compact drop-in unit 30mm x 80mm

701MX



Speed RPM	40,000	50,000	65,000
Power Rating HP	0.30	0.30	0.40
Power Rating KW	0.22	0.22	0.30
Air Consumption - Idle - CFM	5	6	6
Air Consumption - Idle - L/S	2.36	2.83	2.83
Workin Air Consumption - CFM	7 - 10		
Working Air Consumption - L/S	3.30 - 4.72		
TIR Collet Held Shank	< 0.0002" [0.005mm]		
Max Shank Capacity ER8 or ER11	1/8" [3mm] or 1/4" [6mm]		

- 65,000 RPM - 0.4HP governed direct drive, Ceramic Bearings.
- Sealed steel body, Lathe Ready.
- Ideal Dimensions for Ganging.
- Reliable direct drive, no oil, no maintenance. ER8 or ER11 Collet.

25,000 - 90,000 RPM Light Powerful Hand Tools

201SV

The 201SV "pencil" style precision tools are an incredible combination of light weight and high power. Designed with a slim shaft for the closest possible access even in hard-to-reach areas while giving great precision and comfort. Governed speeds available are 40,000, 50,000, 65,000 or 90,000 RPM. Patented Automatic Brake Standard on all straight tools.



Speed RPM	40,000	50,000	65,000	90,000
Power Rating HP	0.15	0.20	0.20	0.20
Power Rating KW	0.11	0.15	0.15	0.15
Idle Air Consumption - CFM	3.2	4.0	4.0	4.0
Idle Air Consumption - L/S	1.51	1.89	1.89	1.89
Workin Air Consumption - CFM	4 - 7			
Working Air Consumption - L/S	2.22 - 3.30			
TIR Collet Held Shank	< 0.001" [0.03mm]			

525SV

Finishing or trimming metal? Deburring aluminum or steel? The light, powerful and comfortable 525SV "pencil" style tools have speed ranges of 30,000 and 40,000 RPM, with collet capacities of 1/4". The slim barrel styling provides easy access for hard-to-reach areas. Patented brake stops tool in seconds. Totally oil free.



Speed RPM	30,000	40,000
Power Rating HP	0.40	0.45
Power Rating KW	0.30	0.34
Idle Air Consumption - CFM	10.5	11
Idle Air Consumption - L/S	4.96	5.19
Workin Air Consumption - CFM	11 - 19	
Working Air Consumption - L/S	5.19 - 8.98	
TIR Collet Held Shank	< 0.001" [0.03mm]	