Why are Air Turbine Tools® different?

Revolutionary High Speed Tools

Light & Powerful: 25,000 - 90,000 RPM to 1.4 HP

Multiple Options:

- 30 tools available up to 1.4 HP.
- Patented automatic brake option available.
- Slide salve SV or DM trigger switch control.



Simple Setup:

- Just connect dry, clean 90 psi/6.2 bar compressed air.

Direct Drive Motor:

- Low friction and no heat.
- No gears, no high frequency brushes, and no vanes to heat up or burn out.
- Long service life.

RPM

Constant high cutting speed enables work to be done with a light hand.

Low vibration.
No limit on work time.
Quiet - under 67 dBA.

Great reliability.
Low heat.
No hand burns.

Powerful light-weight range.
Reduced stress and carpel tunnel injury risk.

Direct drive reliability.
Only 2 moving parts.
No maintenance.

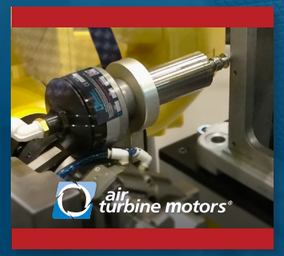
Governor control for constant high torque.
Maintains high speed + power under load.

Faster production.
Longer tool life.

No oil or lubrication.
Just supply 90 psi/6.2 bar air.
No part or shop air contamination.

Improved surface quality.
Improved accuracy.





Accelerate CNC cycle times 6-10x.

No duty cycle in 24/7 operations.









30+ YEARS OF PROVEN PATENTED INNOVATION.
AIR TURBINE TOOLS® ARE BUILT TO LAST.







Constant High Speed and Power:

- Patented governed turbine maintains constant high speed under load.
- Accelerate production and optimize cutting tool performance and life.
- Improve finish quality.



Precision, Safety and Comfort:

- The lowest vibration of any tool range.
- Design facilitates close proximity work.
- Reduce stress, HVAS, RSI, CTS.

Reliable:

- Only two moving parts (turbine and bearings).
- Air cooled grease packed bearings.
- No maintenance or lubrication.

air turbine tools®

Reduce Fatigue and Repetitive Stress Injury Risk

air turbine tools®

Ergonomically Safer - Maintenance Free - Reliable

www.airturbinetools.com

All rights reserved. Patents issued and pending. © 2026 Air Turbine Technology, Inc.
All specifications approximate.

www.airturbinetools.com

+1 561-994-0500

air turbine tools®

Eliminate Working Time Limits

25,000 - 90,000 RPM

A Selection From 30 Unique Tools

Just Connect 90 Psi Air

See Full Range at www.airturbinetools.com

air turbine tools®

Reduce Arm Stress

201SV

1/8" (3 mm) Collet Capacity

40,000 RPM - 90,000 RPM, 0.2 HP



The light 201 is powerful – designed to work reliably in industrial applications. The 201SV with slide valve for quick-shut off is rated for nonstop work. Only a light hand guiding the 201SV is needed to get improved precision, faster-cutting action, and finer finished surface quality.

Optional automatic brake is available.

General Specifications	201SV			
Speed	40,000 RPM	50,000 RPM	65,000 RPM	90,000 RPM
Power Rating	0.15 HP (0.11 kW)	0.2 HP (0.15 kW)		
Inlet Air Pressure	90 psi (6.2 bar)			
Air Consumption Idle	3 CFM (1.41 L/s)	4 CFM (1.89 L/s)		5 CFM (2.36 L/s)
Air Consumption Working Flow	4.8 CFM - 7 CFM (2.27 L/s - 3.3 L/s)			
Sound Level	Less Than 67 dBA			
Max Shank Capacity	1/8" (3 mm)			
Hand Tool Weight	6 oz (0.17 kg)			

206XSV

1/4" (6 mm) Collet Capacity

30,000 RPM - 40,000 RPM, 0.4 HP



Light and quiet with ultra-low vibration magnitude at 1.43 m/s2 r.m.s. At 0.4 HP (0.3 kW) our patented double turbine 206XSV with slide valve for quick shut-off punches way above its weight of 8.2 oz (0.23 kg). Work with governed high speed which stays near rated speed under load at constant 50,000 RPM. You will get superb surface quality and virtually no stress or noise.

General Specifications	206XSV	
Speed	30,000 RPM	40,000 RPM
Power Rating	0.3 HP (0.22 kW)	0.4 HP (0.3 kW)
Inlet Air Pressure	90 psi (6.2 bar)	
Air Consumption Idle	6 CFM (2.83 L/s)	
Air Consumption Working Flow	7 CFM - 10 CFM (3.3 L/s - 4.27 L/s)	
Sound Level	Less Than 67 dBA	
Max Shank Capacity	1/4" (6 mm)	
Hand Tool Weight	8.2 oz (0.23 kg)	







0145SSV

1/8" (3 mm) Collet Capacity

25,000 RPM - 65,000 RPM, 0.2 HP



Put the 0145SSV in your fingers or palm and experience exceptionally fine control necessary for close proximity work. Feather-light at 6 oz (0.17 kg) the 0145SSV has lots of torque. The 0145 is so naturally balanced that it feels like an extension of your hand. This tool is effective for precision work, marking, or deburring. The patented 45° design conforms to the natural position of your hand for hand-eye coordination and comfort.

General Specifications	0145SSV		
Speed	40,000 RPM	50,000 RPM	65,000 RPM
Power Rating	0.15 HP (0.11 kW)	0.2 HP (0.15 kW)	
Inlet Air Pressure	90 psi (6.2 bar)		
Air Consumption Idle	3.2 CFM (1.51 L/s)	4 CFM (1.89 L/s)	
Air Consumption Working Flow	4.7 CFM - 7 CFM (2.22 L/s - 3.33 L/s)		
Sound Level	Less Than 67 dBA		
Max Shank Capacity	1/8" (3 mm)		
Hand Tool Weight	6 oz (0.17 kg)		

2545SSV

1/4" (6 mm) Collet Capacity

30,000 RPM - 40,000 RPM, 0.45 HP



The patented 45° 2545SSV angle tool with slide valve control and front exhaust is designed with the turbine in its angle head and no gears. Lightweight with low vibration provides superior comfort. Select governed 30,000 or 40,000 RPM for deburring and weld removal. Optional trigger switch, long version handle and 90° version available.

General Specifications	2545SSV	
Speed	30,000 RPM	40,000 RPM
Power Rating	0.4 HP (0.3 kW)	0.45 HP (0.34 kW)
Inlet Air Pressure	90 psi (6.2 bar)	
Air Consumption Idle	10 CFM (4.72 L/s)	13 CFM (6.14 L/s)
Air Consumption Working Flow	11 CFM - 20 CFM (5.19 L/s - 9.44 L/s)	
Sound Level	Less Than 67 dBA	
Max Shank Capacity	1/4" (6 mm)	
Hand Tool Weight	15.2 oz (0.43 kg)	







310RXSV

1/4" (6 mm) Collet Capacity

25,000 RPM - 40,000 RPM, 1.4 HP



Incredible double turbine power – to 1.4 HP (1.03 kW). Composites, plastics, and alloys can be routed faster and cleaner at 40,000 RPM with finer surface quality and less fiber break-out with the 310RXSV. The oil-free patented mechanism results in no oil misting and no part contamination. The 310RXSV is a powerful direct-drive turbine with only 2 moving parts: the result is low vibration, no heat, and great durability.

General Specifications	310RXSV		
Speed	25,000 RPM	30,000 RPM	40,000 RPM
Power Rating	1.2 HP (0.9 kW)	1.3 (0.98 kW)	1.4 HP (1.03 kW)
Inlet Air Pressure	90 psi (6.2 bar)		
Air Consumption Idle	16 CFM (7.55 L/s)	20 CFM (9.44 L/s)	30 CFM (14.16 L/s)
Air Consumption Working Flow	19 CFM - 40 CFM (8.97 L/s - 18.89 L/s)		
Sound Level	Less Than 67 dBA		
Max Shank Capacity	1/4" (6 mm)		
Hand Tool Weight	41.4 oz (1.17 kg)		

525XSV

1/4" (6 mm) Collet Capacity

30,000 RPM - 40,000 RPM, 0.8 HP



The 525XSV delivers high torque at lower speeds. Double turbine power combines with lightweight, low vibration, low noise, greater accuracy and a high-quality finish. The constant high-speed enables you to work on hard-to-reach applications for fast removal or finishing.

The automatic brake option stops this tool in a few seconds.

General Specifications	525XSV	
Speed	30,000 RPM	40,000 RPM
Power Rating	0.8 HP (0.6 kW)	
Inlet Air Pressure	90 psi (6.2 bar)	
Air Consumption Idle	19 CFM (8.97 L/s)	20 CFM (9.44 L/s)
Air Consumption Working Flow	22 CFM - 30 CFM (10.38 L/s - 14.16 L/s)	
Sound Level	Less Than 67 dBA	
Max Shank Capacity	1/4" (6 mm)	
Hand Tool Weight	15.5 oz (0.44 kg)	







Don't Sacrifice Comfort and Safety for Performance!

Revolutionary Air Turbine Tools® solve problems in hand operations. Reduce injury risk and repetitive stress on your hands and arm. These lightweight tools eliminate limitations on working time for operations.

These tools will improve safety in compliance with ISO 2631 and directive 2002 .44/EC.

EAV = Time to reach exposure action value.
ELV = Exposure limit value.

Working Time Specifications & Vibration Statistics

Model	Time to reach EAV 2.5 m/s² A(8)	Time to reach ELV 5 m/s² A(8)	Vibration magnitude	Weight
200SV	17 hours, 58 minutes	71 hours, 50 minutes	1.67 m/s² r.m.s	5.4 oz (0.15 kg)
201	128 hours, 15 minutes	513 hours	0.62 m/s² r.m.s	6 oz (0.17 kg)
0145SSV	30 hours, 44 minutes	122 hours, 53 minutes	1.28 m/s² r.m.s	6 oz (0.17 kg)
202	34 hours, 44 minutes	138 hours, 55 minutes	1.2 m/s² r.m.s	6 oz (0.17 kg)
206X	24 hours, 28 minutes	97 hours, 51 minutes	1.43 m/s² r.m.s	8.2 oz (0.23 kg)
2545	64 hours, 11 minutes	256 hours, 41 minutes	0.88 m/s² r.m.s	18 oz (0.5 kg)
2590	64 hours, 11 minutes	256 hours, 41 minutes	0.88 m/s² r.m.s	18 oz (0.5 kg)
525	23 hours, 32 minutes	94 hours, 6 minutes	1.46 m/s² r.m.s	14.5 oz (0.41 kg)
525X	23 hours, 32 minutes	94 hours, 6 minutes	1.46 m/s² r.m.s	15.5 oz (0.44 kg)
230DM	345 hours, 40 minutes	1,382 hours, 37 minutes	0.38 m/s² r.m.s	39.7 oz (1.12 kg)
310R	345 hours, 40 minutes	1,382 hours, 37 minutes	0.38 m/s² r.m.s	39.7 oz (1.12 kg)
310RX	345 hours, 40 minutes	1,382 hours, 37 minutes	0.38 m/s² r.m.s	41.4 oz (1.17 kg)







All rights reserved. © 2026 Air Turbine Technology Inc.