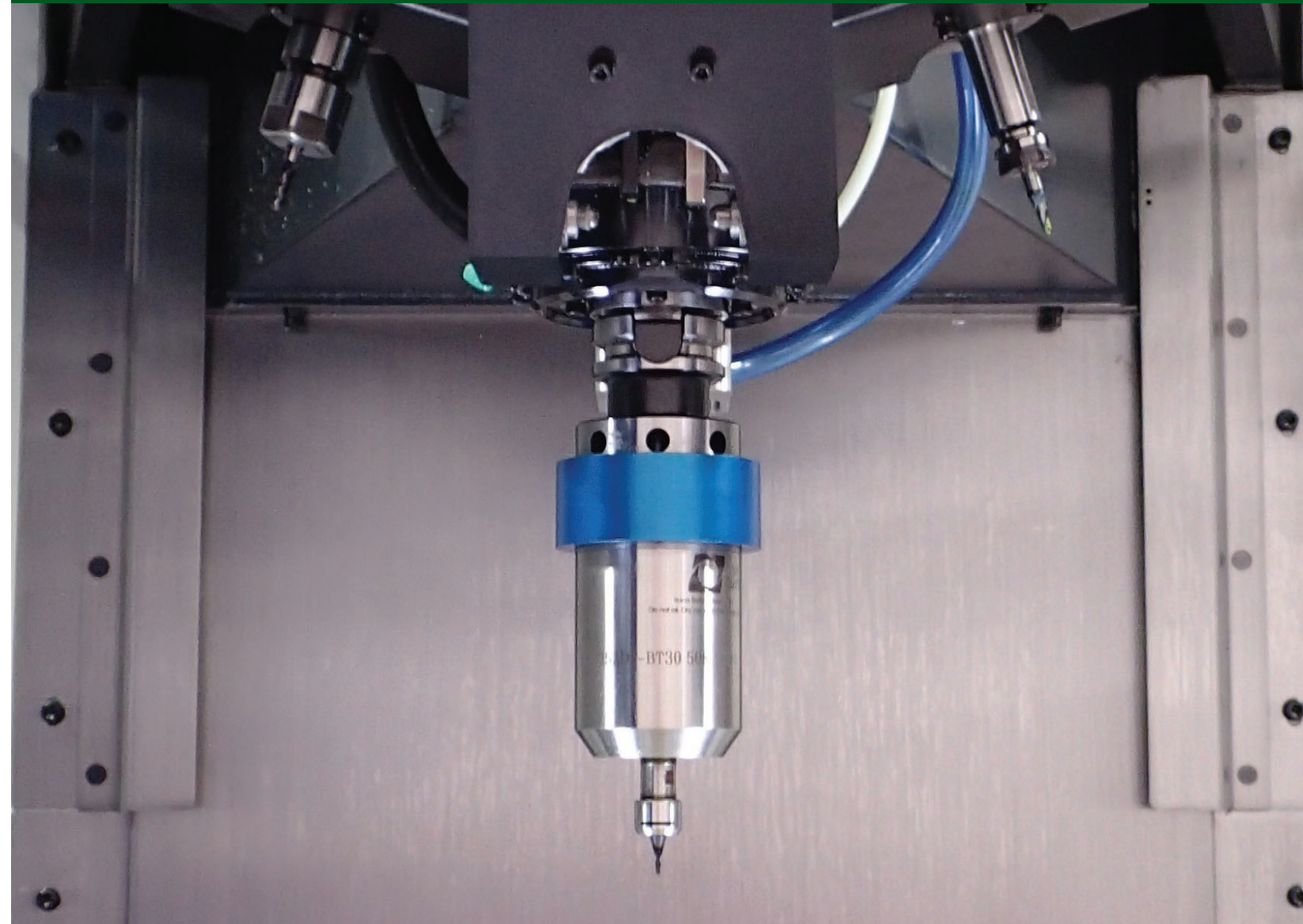


Revolutionary High Speed Drill Tap Spindles

Constant Governed 30,000 – 65,000 rpm – power to 0.78 hp (0.58 kW)



Speed Up your FANUC RoboDrill, Brother TC / Speedio and Haas DT-1 Drill-Tap Machines with the 602DT, 625DT and 625XDT Series Spindles



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Use couplings / hoses with a minimum ID of 6.5mm for 625DT units and a minimum ID of 8mm for 625XDT units. Always use a 0.3 micron filter and/or extractor where required and check specified psi or l/s air flow. Use 90 psi / 6.2 Bar clean, dry, oil-free air only. Use eye protection and follow safety instructions. Supply is subject to Air Turbine Tools Inc, terms and conditions of sale and distributor policies in effect for the time being. Subject to availability, change of specifications, price and terms without notice. All specifications approximate. Air Turbine Spindles® is the registered trade name of Air Turbine Tools, Inc. © 2018 Air Turbine Tools, Inc. All rights reserved.



602DT Series
500%+ Faster Feed Rates. Constant High Torque.

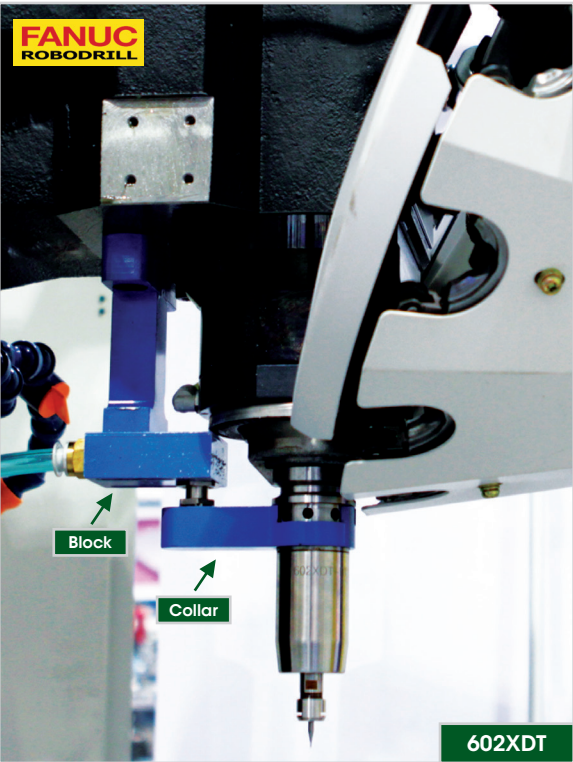
Retrofit your Drill-Tap machine with the **602DT Series** for governed constant high speeds. Select **40,000, 50,000 or 65,000 rpm**. Ideal for milling, drilling, engraving, marking, slotting and finishing with small tools for optimized performance and life.

Patented *Air Turbine Spindles®* maintain high speed and torque while cutting with no gears, vanes or high frequency brushes to burn up.

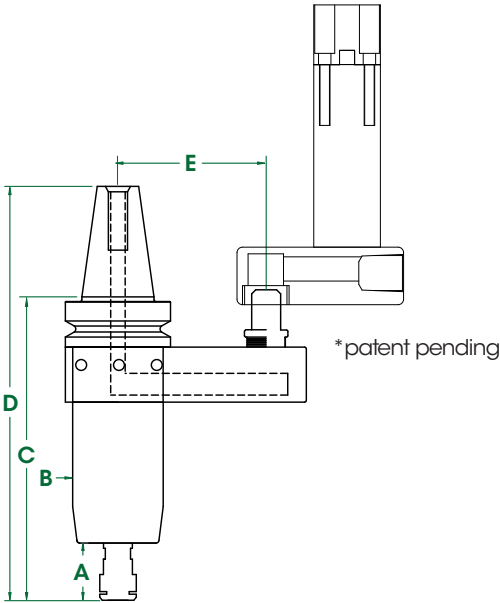
With just 2 moving parts, low friction and low heat, the direct drive **DT Series** is a powerful, precise and reliable solution to reduce cycle times and increase tool life.

For automatic loading from the Drill Tap magazine, install the spindle mounted manifold block and align the nozzle to block connector, which supplies the spindle air to a clean, dry 90 psi (6.2 bar) air supply.

For manual loading installation of the spindle the side NPT adapter simply connects to a 6.5mm ID hose for the **602DT**.

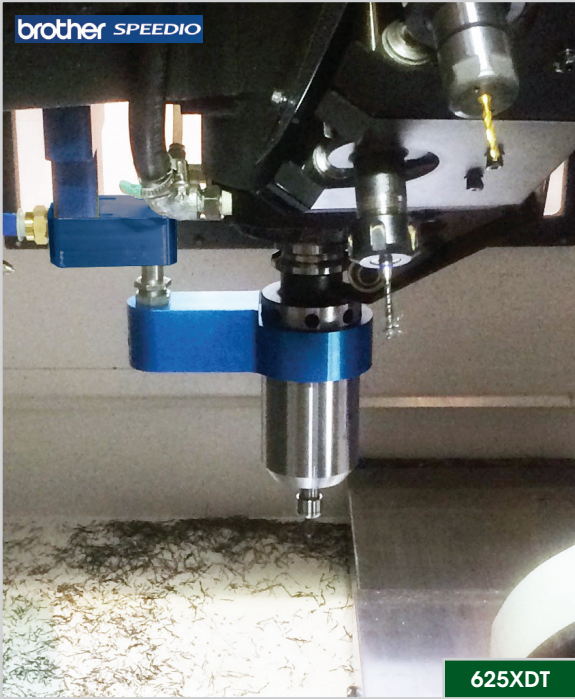


602DT



Dimensions		
	BT30	DIN30
A	0.72" (18mm)	0.72" (18mm)
B	1.56" (40mm)	1.56" (40mm)
C	4.71" (120mm)	4.52" (115mm)
D	6.52 (166mm)	6.46" (164mm)
E	Brother TC / Speedio: 3.58" (91mm) FANUC RoboDrill: 3.16" (80mm) Haas DT-1: 2.56" (65mm)	

General Specifications	602DT
Governed Speed rpm	40,000 / 50,000 / 65,000
Power Rating hp (kW)	0.15 (0.11) / 0.2 (0.15) / 0.2 (0.15)
Inlet Air Pressure (clean dry air only)	90 PSI (6.2 Bar)
Air Consumption Idle cfm (l/s)	4.5 (2.1) / 4.5 (2.1) / 4.5 (2.1)
Air Consumption Working Flow cfm (l/s)	5 (2.36) - 6 (3.30)
Sound Level	Less Than 78 dBA
Max Shank Capacity	ER 11 - 1/8" (3mm)



625DT / 625XDT Series
Dramatically Improve Productivity

Just mount the patented, double turbine **625XDT Series** spindles in your Drill-Tap machine magazine for automatic tool changing and increase production. The governor on your turbine will increase airflow on demand to maintain constant high speed drilling or milling on your toolpath.

Increase milling and drilling feed rates and productivity with no duty cycle for true 24/7 unattended production - **30,000, 40,000, or 50,000 rpm, 0.78 hp (0.58 kW)**.

2 micron accuracy factory certified.

For automatic loading from the Drill Tap magazine, install the spindle mounted manifold block and align the nozzle to block connector, which supplies the spindle air to a clean, dry 90 psi (6.2 bar) air supply.

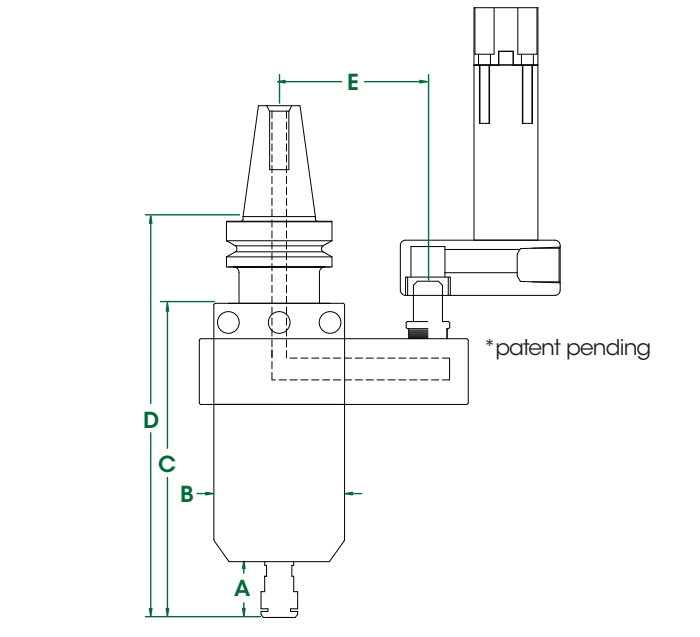
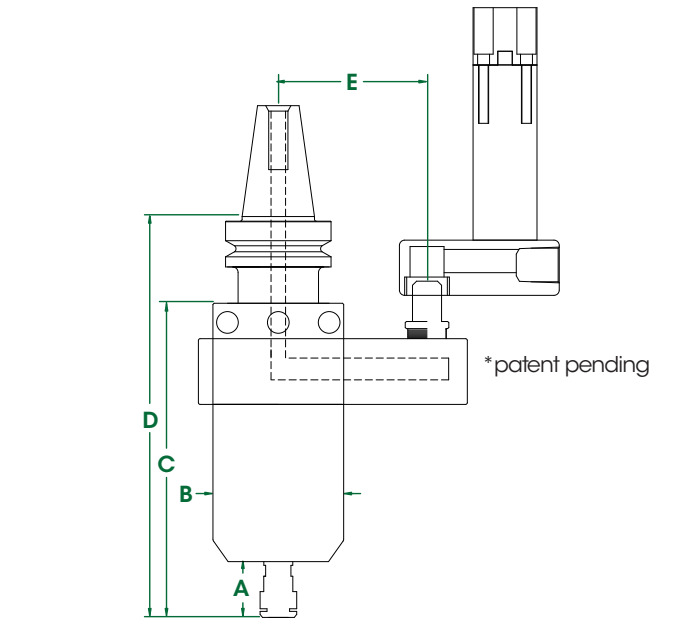
For manual loading installation of the spindle the side NPT adapter simply connects to a 8mm ID for the **625XDT**.

602DT Series				
Governed Speed		40,000	50,000	65,000
Model	P/N	P/N	P/N	P/N
602DT RoboDrill 1/8" (BT30)	65330	65332	65334	
602DT RoboDrill 3mm (BT30)	65331	65333	65335	
602DT Brother TC 1/8" (BT30)	65336	65338	65340	
602DT Brother TC 3mm (BT30)	65337	65339	65341	
602DT Haas DT-1 1/8" (BT30)	64616	64618	64620	
602DT Haas DT-1 3mm (BT30)	64617	6461	64621	

Standard Equipment: 0.3 micron Combo Filter / Extractor, Spindle, 2 micron Ultra Precision ER 11 Collet System, Wrenches, Hose and Detachable Side NPT Fitting. - Optional Collets 0.5 mm - 7.0 mm available.

625DT Dimensions

625XDT Dimensions



	BT30	DIN30
A	1.01" (26mm)	1.01" (26mm)
B	2.24" (57mm)	2.24" (57mm)
C	6.43" (163mm)	6.37" (162mm)
D	8.39" (213mm)	8.24" (209mm)
E	Brother TC / Speedio: 3.58" (91mm) FANUC RoboDrill: 3.16" (80mm) Haas DT-1: 2.56" (65mm)	

	BT30	DIN30
A	1.01" (26mm)	1.01" (26mm)
B	2.24" (57mm)	2.24" (57mm)
C	6.90" (175mm)	6.84" (174mm)
D	8.86 (225mm)	8.71" (221mm)
E	Brother TC / Speedio: 3.58" (91mm) FANUC RoboDrill: 3.16" (80mm) Haas DT-1: 2.56" (65mm)	

General Specifications	625DT	625XDT
Governed Speed rpm	30,000 / 40,000 / 50,000	30,000 / 40,000 / 50,000
Power Rating hp (kW)	0.40 (0.30) / 0.45 (0.34) / 0.50 (0.37)	0.72 (0.54) / 0.74 (0.55) / 0.78 (0.58)
Inlet Air Pressure (clean dry air only)	90 PSI (6.2 Bar)	90 PSI (6.2 Bar)
Air Consumption Idle cfm (l/s)	10.5 (4.9) / 11 (5.2) / 11 (5.2)	19 (8.97) / 20 (9.44) / 20 (9.44)
Air Consumption Working Flow cfm (l/s)	11 (5.2) - 20 (9.4)	22 (10.38) - 30 (14.16)
Sound Level	Less Than 78 dBA	Less Than 78 dBA
Max Shank Capacity	ER 11 - 1/4" (6mm)	ER 11 - 1/4" (6mm)

Standard Equipment: 0.3 micron Combo Filter / Extractor, Spindle, 2 micron Ultra Precision ER 11 Collet System, Wrenches, Hose and Detachable Side NPT Fitting. - Optional Collets 0.5 mm - 7.0 mm available.

625DT Series

	Governed Speed	30,000	40,000	50,000	65,000
Model	P/N	P/N	P/N	P/N	P/N
625DT RoboDrill 1/4" (BT30)	65350	65352	65354	65356	
625DT RoboDrill 6mm (BT30)	65351	65353	65355	65357	
625DT Brother TC 1/4" (BT30)	65358	65360	65362	65364	
625DT Brother TC 6mm (BT30)	65359	65361	65363	65365	
625DT Haas DT-1 1/4" (BT30)	64642	64644	64646	65304	
625DT Haas DT-1 6mm (BT30)	64643	64645	64647	65305	

625XDT Series

	Governed Speed	30,000	40,000	50,000	65,000
Model	P/N	P/N	P/N	P/N	P/N
625XDTBT30 RoboDrill 1/4"	64630	64632	64634	65300	
625XDTBT30 RoboDrill 6mm	64631	64633	64635	65301	
625XDTBT30 Brother TC 1/4"	64636	64638	64640	65302	
625XDTBT30 Brother TC 6mm	64637	64639	64641	65303	