



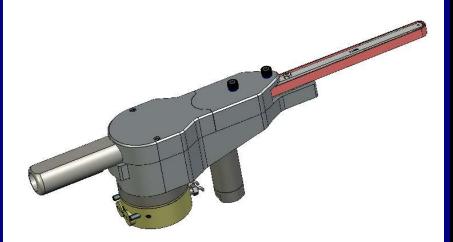




Applications

- Grinding
- Surface finish
- Polishing
- 'Shoe-shine' style operations
- Weld blending
- Deburring and edge chamfer

BGT001-13800AR REVERSIBLE BELT TOOL

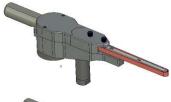


BGT001-13800AR Belt Tool is a precision tool assembly with fixed front contact wheel designed to be mounted to a tool changer or directly to a robotic arm. It can accommodate precision made TCA Tooling or standard Dynabrade style arms as well as custom attachments

Standard Features and Specifications:

- Powered by reversing air motor with top speed of 13,800 RPM
- Accepts belts of up to ½ inch wide and 24 inch long (depending on the front arm)
- Belt tension easily released for belt change
- Broken or missing belt sensor
- Rotation sensor
- Belt stretch take -up in the back of the tool
- Fixed belt guide eliminates the need for tracking adjustments

MAIN ASSEMBLIES



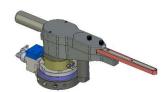
BGT001-13800AR

Air Powered Belt tool assembly without rotary compliance device.



BGT001-13800AR-RC

Air Powered Belt tool complete assembly with rotary compliance device.



BGT001-13800AR-RC-TC

Air Powered Belt tool complete assembly with rotary compliance device and tool change adapter.

SPECIFICATIONS

MAX MOTOR SPEED WITH NO LOAD	13,800 RPM	
BELT SURFACE SPEED WITH ½ IN DIAM	1,800 SFM	
PULLEY		
AIR CONSUMPTION	10 CFM	
MOTOR SPEED WITH MAX LOAD	6,500 RPM	
BELT SPEED AT MAX LOAD WITH ½ IN	850 SFM	
PULLEY		
MOTOR TORQUE AT MAX LOAD	0.24 Nm (2.12 lbs-in)	
RC COMPLIANCE PRESSURE RANGE	30 – 100 PSI	
RC COMPLIANCE TORQUE AT MAX	2.5 Nm (22 lbs-in)	
PRESSURE		
RC FORCE AT 12 INCHES FROM CENTER	1.8 LBS	
RC2 COMPLIANCE TORQUE AT MAX	6.5 Nm (57.52 lbs-in)	
PRESSURE	, , , , , , , , , , , , , , , , , , ,	
RC2 FORCE AT 12 INCHES FROM CENTER	4.7 LBS	
COMPLIANCE MOTION RANGE	0 to 45 DEGREES	
(ADJUSTABLE)		
COMPLIANCE MOTION FACTORY	0 to 15 DEGREES	
SETTING		
STANDARD BELT ARM	1/2 INCH WIDE x 24 INCHES LONG BELT	

OPTIONS

Precision Machined Belt Arms

Part Number	Description	Belt Size	Image
	*		Image
11201-	Standard arm with 5/16"	1/2" x	
ACTMOD	diameter x 3/8" wide steel	18"	
	contact wheel and 1/2" wide		
	platen pad.		
11202-	Low profile arm with 5/8"	1/4" x	
ACTMOD	diameter x 1/8" wide rubber	18"	
	contact wheel and 1/4" wide platen		
	pad.		
11203-	Standard arm with 5/8" diameter	1/2" x	
ACTMOD	x 3/8" wide rubber contact wheel	18"	
	and 1/2" wide platen pad.		
11206-	Standard arm with 3/4" diameter	3/4" x	
ACTMOD	x 5/8" wide rubber contact wheel	18"	
	and 3/4" wide platen pad.		-
11286-	Standard arm with 5/8" diameter	1/2" x	
ACTMOD	x 3/8" wide rubber contact wheel	24"	
	and 1/2" wide platen pad.		
07040010	Shoe-shine style arm where the	1/4" x	
	belt is mounted with the abrasive	24"	
	side flipped thus providing		
	reverse slack of the belt section		
	between the front idlers.		
	Reversing motor allows to		
	replicate shoe-shine operation.		



07030001A ASS'Y Tool nest assembly allows for precise staging of assemblies at 45 degrees for easy robot access. Includes tool present proximity sensor. **07030001A ASS'Y 2**Tool nest assembly without sensor used for storage only



ITV2030-32N2L4 Electro-pneumatic regulator, 0-10 VDC input signal, 0.5 – 70 PSI pressure output, powered by 24 VDC

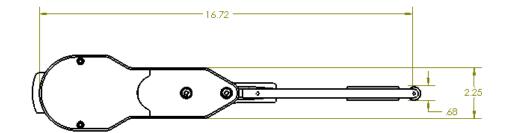
 $\begin{tabular}{ll} \textbf{ITV2050-32N2L4} & Electro-pneumatic regulator, 0-10 VDC input signal, 0.5-130 PSI pressure output, powered by 24 VDC \\ \end{tabular}$

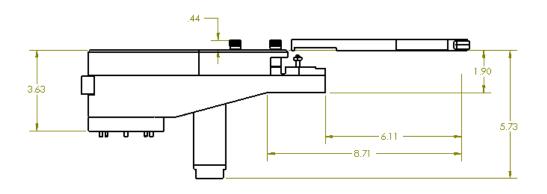


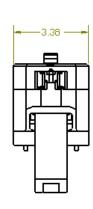
BGT001-13800AR-RC-TC-SETUP1 Tool and belt setup station allowing the operator to lock the tool assembly, change belts, run it using manual valve switch, and check compliance device operation. The station comes with a pedestal for easy mounting floor mounting. Air supply is required.

DIMENSIONS

BGT001-13800AR







BGT001-13800AR-RC

