

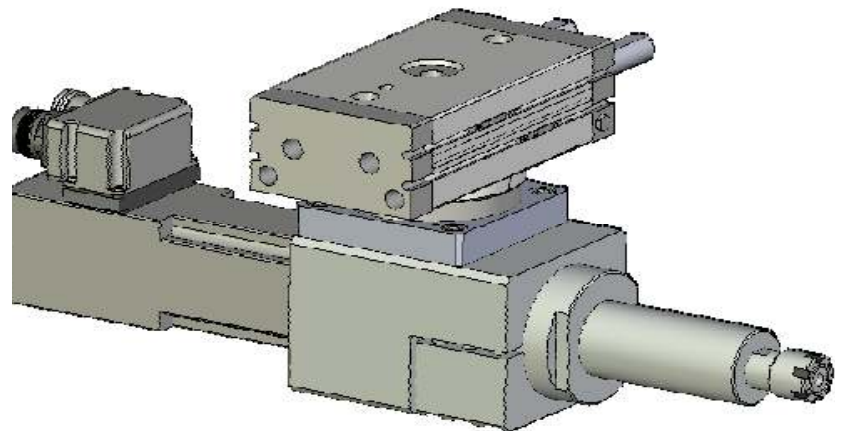


ACT Robots, Inc.

Integrated Robotic Solutions



SPOOAC-SR12000 ***SERVO AUTO COLLET TOOL***



SPOOAC-SR12000 - closed loop servo driven pneumatically activated collet tool allows for automatic media change. The tool can be equipped with 1/8" or 1/4" collet and combined with media staging nests has the capability to automatically change worn wheels, brushes, deburring bits and other finishing media.

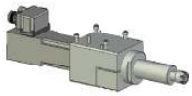
Applications

- Deburring
- Cutting
- Grinding
- Surface finish
- Brushing
- Polishing
- Low power buffing
- Drilling
- Tapping

Standard Features and Specifications:

- Electronic speed control from 0 to 12000 RPM
- Constant torque of 1.3 Nm within the entire speed range
- Closed loop brushless servo motor
- Accommodates brushes, buffs, finishing wheels, cut-off wheels, deburring bits, drill bits, or any other media equipped with either 1/8" or 1/4" shanks
- Air activated collet
- Speed feedback through the servo drive
- Torque feedback through the servo drive
- Separate process parameters for each wheel set through robot program or HMI

Main Assemblies:



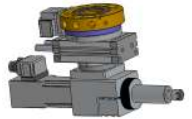
SP00AC-SR12000-V1

Servo driven auto collet tool assembly without rotary compliance device.



SP00AC-SR12000-RC

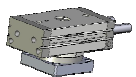
Servo driven auto collet tool complete assembly with rotary compliance device.



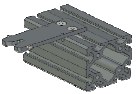
SP00AC-SR12000-RC-TC

Servo driven auto collet tool complete assembly with rotary compliance device and tool change adapter.

Options:



31-10000-MOD Pneumatically controlled Rotary Compliance device with tool adaptor plate. Allows control of force the media exerts on work piece, by changing the air pressure to each side of the device.



20090303-1 Media nest that can be mounted directly to standard extrusion and can be used for staging brushes, wheels, deburring drill bits, etc. (all mounting hardware included)



20090303-1-001 Arbor holder for media with 1/4" shanks. Tapered end for easy collet entry.



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

SP00AC-SRxxxx-DRV1 Servo drive, 460 VAC

CBL064SP-12 Motor Power Cable, 21ft.

CBL064SF-E1 Feedback Cable, 21ft.

