TOOL CHANGER SYSTEM

SPECIFICATIONS

- Design: Fail-safe coupling
- Maximum Payload W.: 200 lbs
- Loading Capacity:
  - Max. Tension T: 2000 lbs @ 0 psi
  - Max. Compressive C: 4000 lbs
  - Max. Moment M_x: 4000 in-lb
  - Max. Moment M_y: 4000 in-lb
  - Max. Moment M_z: 3000 in-lb

- Accuracy
  - Position Repeatability:
    - X & Y: ± 0.0001 in
    - Z: ± 0.0001 in

- Pressure Range:
  - Low: 30 psi
  - High: 120 psi

- Temperature Range:
  - Low: -20°F
  - High: 180°F

- Material:
  - High strength, hard coated aluminum alloys, steel

- Weight: 4.14 lb

- Ports (Standard): (8) 1/8 NPT
  - Checked on Robot Side

- Electrical Contacts (Optional): 22 @ 5 amps each

NOTE: Dimensions are metric.

LOADING INFORMATION

- Fail-safe coupling
- 200 lbs
- 2000 lbs @ 0 psi
- 4000 lbs
- 4000 in-lb
- 4000 in-lb
- 3000 in-lb
- ± 0.0001 in
- ± 0.0001 in
- 30 psi
- 120 psi
- -20°F
- 180°F
- High strength, hard coated aluminum alloys, steel
- 4.14 lb
- (8) 1/8 NPT
- Checked on Robot Side

WARNING! Do not exceed maximum moment.

DEFLECTION DATA

- @ 87 PSIG input Pressure
- Deflection Angle

To Order or For More Information, Please Call (203) 459-8345, Fax (203) 452-5943
Visit Our Website at: www.AGI-AUTOMATION.com

July 2004 - Made in the USA - “Innovation is the Secret”
**AGC-40 TOOL CHANGER SYSTEM**  
**LIFETIME WARRANTY ON LOCKING MECHANISM**

### Features and Benefits

- **Fail Safe** - The locking mechanism remains locked even with loss of pneumatic pressure.
- **Handles High Moments and Extremely High Repeatability** - The index pin gives Tool Change Adapters the ability to handle high radial moments, with high repeatability ± 0.001 in.
- **Fast Coupling** - The robot adapter can couple with the tool mounting adapter in less than 1/2 second.
- **Low Deflection** - The unique latching mechanism pulls the tool adapter into the robot adapter body - preloading the tool mounting adapter for excellent rigidity.
- **Coupling Window** - The robot adapter pulls up the tool adapter, allowing the user to couple while up to 0.06” off the face of the tool mounting plate.

### The Tool Changer System

We offer a full line of robotic tool changers designed to minimize assembly line downtime. We can increase your productivity:

- **When you’re doing batchmode manufacturing.** Reduce line changeovers from hours to seconds.
- **When you’re maintaining or repairing tools.** You can have a second identical tool available, that won’t need recalibration.
- **When you need a more flexible robot.** Now your robot can perform multiple tasks with a simple tool change.

### Applications

- **Light to Medium assembly**
- **Pick and Place**
- **Material removal**
- **Material handling**
- **SMT work cell

### How To Order

*When ordering, please specify: Design/Model Number and Options.*

**DESIGN / MODEL**  
AGC-40  
____  
R  
____  
E  
____  
W  
**WIRE CABLE**

**R** = ROBOT HALF  
**T** = TOOL HALF  
**ELECTRICAL CONTACTS**

* **NOTE**  
ROBOT SIDE IS 3 METER HIGH FLEX OLFLEX900 AND TOOL IS 1 METER LONG

### Contact Information

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