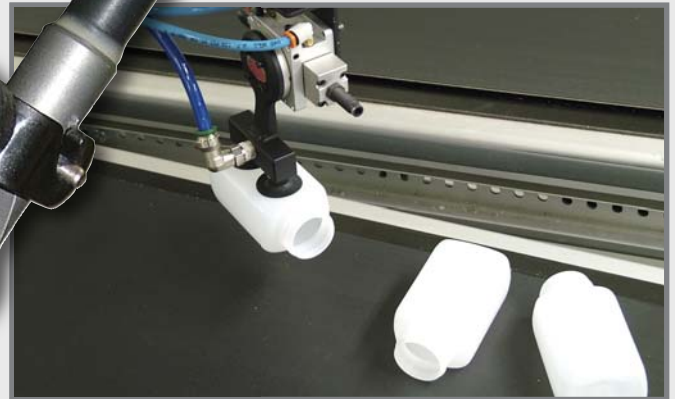


DESIGNING INNOVATION

Solutions...“Beyond the Wrist”



DE-STA-CO's "5th Axis High-Speed Pick and Rotate" is a pneumatically actuated mechanism designed to be applied as a non-programmable, supplemental axis to **ABB's IRB 360 Flex-Picker** as well as other robotic and fixed automation systems involved in high speed pick and place of small, light weight objects.

The supplemental axis enables the **IRB 360** to pick flat product and reorient it into an on-edge position, allowing for the placement of the product in an upright position at high speeds commensurate with standard pick-and-place operations.

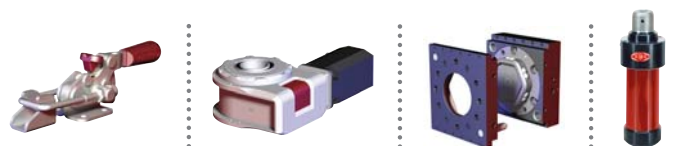
With a non-programmable and simple design, the "5th Axis High Speed Pick and Rotate" can easily be integrated with existing pneumatics with the use of a 2-position, 4-way valve and (2) 1/4" Tubes.



Automation
Robohand FERGUSON
CAMCO

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DSC_HSPR-F_1010



Precisely positioning our customers for productivity.



The "5th Axis High-Speed Pick and Rotate" can be used with a selection of DE-STA-CO vacuum cups, designed for various types of surfaces, environments, and classifications.

Custom-designed mounted bracket

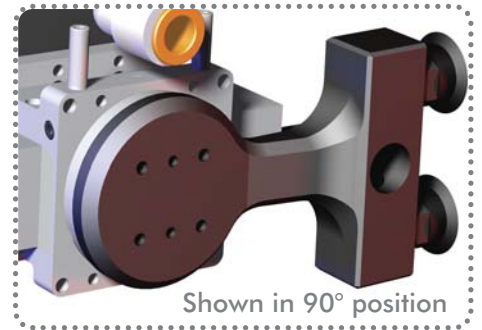
Robohand
Rotary Actuators
with Stroke Adjustment

Shock Absorbers
for enhanced life

Custom one-piece arm
with integral vacuum manifold

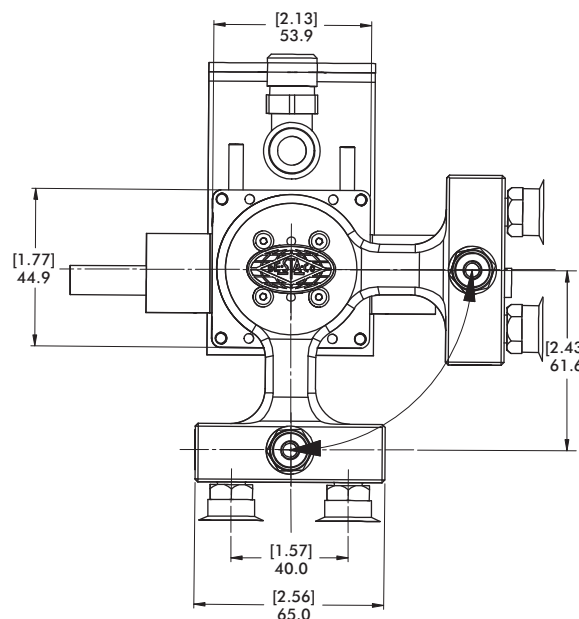
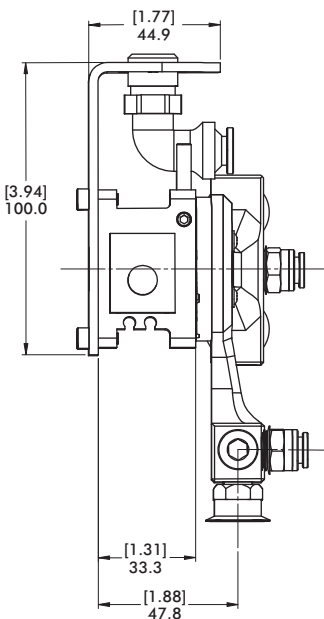
Optional vacuum switch port

DE-STA-CO Vacuum Cups
designed to handle flat and
curved surfaces.



Patent Pending

- Low cost, non-servo axis
- Ease of integration
- Arm with Integral Vacuum Manifold
- All Standard DE-STA-CO Products for quick delivery and Reliability
- Optional ARV vacuum Generator for faster cycle times



POSITION: 90 DEGREES

Specifications:

- Max Payload: 141.75g [5.0 oz]
- Max Inertia: 0.0018
- Travel: ±90 deg.
- Repeatability: ±0.02 deg.
- Cycle Time: 0.25~0.35 sec.
- Air Pressure: ... 2.76-5.52 bar [40-80psig]
- Weight: 1.00 kg [2.20 lb]
- Recommended Pneumatic
Line Size (i.d.): 7.37mm [0.290"]