

ecoSmart

Intelligent Vacuum Products



**Vacuum Generators, Vacuum Cups
and Magnetic Grippers**



A DOVER COMPANY

www.destaco.com

Centuri Smart Central Vacuum Generator with System Monitor and Air-Save Function

The DE-STA-CO CENTURI Vacuum Generator is robust and powerful with optional communication protocols. Its increased vacuum level combined with an integrated blow-off system allows for even faster handling cycle times, creating greater material throughput.

The integrated air-saving function switches off the vacuum once a defined level is reached and reactivates when needed to maintain its grip on the part. This allows for significant reduction of costs related to the consumption of compressed air and preventative maintenance.



Features:

- Condition monitoring with status indicator
- High vacuum level and “powerful blow-off”
- Integrated automatic air saving function
- Flexible mounting and connection options
- Unaffected by dust or dirt
- Degree of protection IP 65
- Integrated Silencer

Benefits:

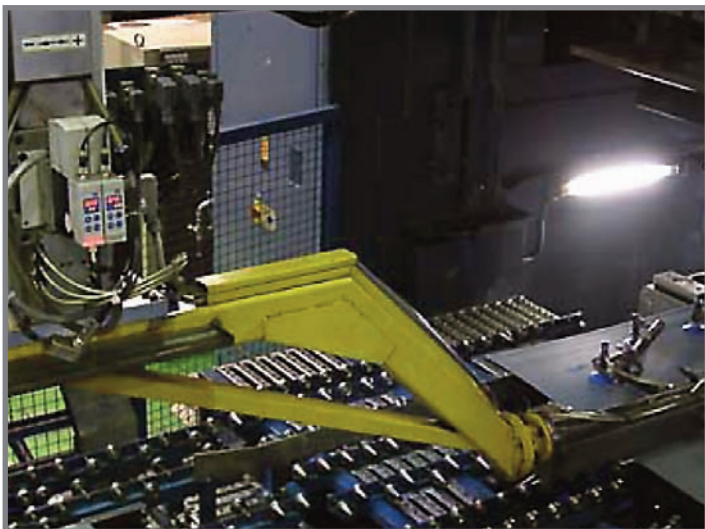
- Diagnose vacuum leaks/ issues prior to failure
- Short cycle times
- Economical operation—**GREEN** product
- Simple and quick installation
- Maintenance-free operation
- Splash protection

Mounting:

- Vertical and horizontal mounting
- Quick-release base optional



IO-Link
Available upon request



Centuri Vacuum Generators in use on a press line.



Optional quick-change base.

Venturi Vacuum Generator with Air Save Function

This compact Venturi Vacuum Generator is optimized for mounting on DE-STA-CO's end-effector systems and is available in two mounting orientations. The integrated air-saving function switches off the vacuum once a defined level is reached and reactivates vacuum when needed to maintain its grip on the part. This allows for significant reduction of costs related to the consumption of compressed air and preventative maintenance.



Shown with optional apple core mount

Features:

- Integrated pneumatic air saving function
- Short gripping and blow-off times
- Minimal size and low weight
- Suitable for DE-STA-CO End Effector Structures
- Integrated silencer
- Optionally available with vacuum switch

Benefits:

- Minimum compressed air consumption – **GREEN** product
- Very short cycle times in automated operations
- Particularly suitable for highly dynamic systems
- Direct mounting of suction pad and connector
- Reduced noise level
- System monitoring function for optimization of cycle times

Vacuum Cups Silicone Free Hi-Temperature

Vacuum Cups are available in various materials, sizes and shapes to cover a wide range of applications from the handling of thin bodywork parts in the automotive and hot-forming industry.



Features:

- Optimized geometry of sealing lip
- High holding forces
- Several sizes available
- Non-silicone material (65 durometer ShA)

Benefits:

- Excellent sealing properties
- Shortest cycle times
- Flexible positioning possibilities
- Long term temperature resistant up to 250°C (482°F)

Magnetic Gripper Non-Electric Design

The DE-STA-CO Magnetic Gripper is robust, lightweight, and compact utilizing compressed air or compressed air and vacuum. The gripper offers very high holding forces for its size and can be mounted in tandem to increase its capacity when handling long work pieces, such as sheet metal, which is common in many sectors of industry.



Features:

- Safe gripping by a permanent magnet
- High holding forces
- Ready for position sensor
- Controlled by compressed-air or a combination of vacuum and compressed-air
- Can connect two magnetic grippers together into a single block

Benefits:

- No electric power required—**GREEN** product
- Safe handling also in case of power failure
- Controlled with pneumatic valves or venturis
- Optimal for long, narrow work pieces



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Workholding

- Widest variety of workholding products
- High durability and reliability
- Flexible solutions for all applications
- Custom products for unique requirements

Automation

- Broad range of engineered automation products
- Complementary products for modular integration
- Unmatched accuracy, reliability and performance
- Unparalleled global sales, service and engineering support

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