



Jamesbury® Valve Automation Solutions
For Process Efficiency and Increased
Product Quality

50 *years*
1961-2011
KUNDINGER

 **metso**
automation

One Answer To All Your Automation Needs.

Metso Automation is the only supplier who can provide a full range of automated on-off valve packages, including network capabilities, with complete package responsibility. We offer a single-source solution to companies looking to meet their automation requirements, while also reducing the cost of doing business.

The best automation solution starts with the best valve.

It's a complete solution starting with a full range of application-appropriate ball and butterfly valves loaded with unique features you will not find on competitive products. Our Jamesbury® valve product family ranges from economical threaded-end ball valves to high-performance ball and butterfly valves. Each is engineered and manufactured to optimize its operational life and uptime. Our goal is to help you meet your environmental, safety and operational business objectives.



Look to us for your complete automation needs.



Actuators Designed To Maximize Cycle Life and Improve Process Efficiency.

Jamesbury® actuator solutions provide safe, smooth, and trouble-free operation day after day. Their rugged construction and innovative designs provide a cycle life far beyond competitive products.

Solutions include:

- Jamesbury pneumatic rack and pinion actuators
- Jamesbury pneumatic double-acting and spring-return piston actuators
- Jamesbury spring-diaphragm actuators
- Jamesbury specialty actuators
- Valvcon® electric actuators



Series	Type	Action	Pressure Input (psi)	Torque Output* (ft/lbs)
Quadra-Power® X	Diaphragm	Spring-return	20-90 (1.4 bar - 6.9 bar)	11-587 (15 - 786 N-m)
Valv-Power® VPVL	Piston	Double-acting	40-100 (2.75 bar - 8.66 bar)	2.5-4581 (7 - 6211 N-m)
B-Series	Piston	Spring-return	40-116 (4.1 bar - 8.0 bar)	30-45000 (40 - 61000 N-m)

Series	Torque Output (ft/lb)	Motor Drive	Enclosure	Voltage
EU	12-50 (16 - 68 N-m)	Unidirectional	NEMA 4 & 4X	115V AC
ER				230V AC
ERV	12-250 (16 - 339 N-m)	Reversible	NEMA 4 & 4X, 7 & 9	115V AC 230V AC



Our Legacy components incorporate industry-leading Stonel networking technology to allow you to connect Jamesbury® automated on-off valves to your bus networking platform. They are especially reliable in restrictive hazardous environments.



DeviceNet™



Network-Ready Components Connect You To New Capabilities.

Metso Automation's solution allows you to take advantage of the numerous benefits provided by valves that are linked to the company's bus network.

We offer you network-ready capability throughout the product line:

- Stonel® "Legacy" valve communication and monitoring devices
- Broad array of product platforms for general-purpose as well as restrictive hazardous areas
- Integrated high-reliability sensors and field-proven bus networking expertise to create cost-cutting communication solutions
- Compatible with AS-I, DeviceNet, Modbus, and Foundation Fieldbus

Key Benefits Of Valves Connected To Your Bus Network.

- Gives you communication and control functions for on-off valves – improves decision making and reduces labor
- Better data collection from on-off valves to aid preventative and predictive maintenance initiatives



CINTAC™ Advance Automation System

CINTAC™ Advance Automation System.

The CINTAC Advanced Automation System marries JAMESBURY® actuator expertise with Stonel® advanced communication and control system technology to form a totally compact, integrated automation package.

The CINTAC Advanced Automation System has been designed as a cost-effective platform with field-proven components.

OEM Responsibility For Total Package Performance.

Metso Automation takes responsibility for total package performance. You'll get our assurance that the package will perform as promised – our comprehensive warranty backs up our word.



The Need For Automation Is Here Today.

Uncontrollable factors, like the economy and global competition, are undoubtedly forcing you to look for new ways to improve productivity and profitability. There's probably increasing pressure for your organization to become a lower-cost producer. It's also likely that your company is looking to reduce maintenance costs.

Automation is a way to help accomplish these goals. Valve automation delivers the reality of increased performance and total cost reduction. As control continues to migrate to the field, it's important that your valves evolve to keep pace with the growing demands of your system.

Initially, actuators were purely on-off, capable only of opening and closing valves in response to a signal. As the need for more information and greater process efficiency has grown, valve actuators have evolved to the point where they can communicate through bus networks.

The trend is towards the automation of more valves. Today's actuators provide an important function in valve performance by controlling the valve's operation and status, as well as networking the valve into advanced control systems.

As a leader in this area, Metso Automation can keep you ahead of these trends... and your competitors.

Benefits Of A Single-Source Automation Partner.

- The assurance of total package performance – backed up by a warranty
- Fewer transactions with a single point contact for quotation, procurement, order fulfillment, and after-sale support
- Fewer parts and easier maintenance

Our automation solution is not just about providing you with the best valve actuators – it's also about providing the best total package performance to improve your process performance, increase uptime, and drive down maintenance costs.



It's Not A Complete Solution Without Service And Support.

Our automation solution provides for a high degree of service and support to ensure you get the results you're looking for. Look to us and our expert distributor partners for all the help you need:

- A full range of technical training and support
- Experienced applications assistance
- Full maintenance and repair services
- Online customer support that's always available

Contact us for more information. Sophisticated valve automation solutions and improved business results are just a phone call away.

Metso Automation

Europe

Levytie 6, P.O. Box 310
00811 Helsinki, Finland
Tel. int. +358 20 483 150
Fax int. +358 20 483 151

North America

44 Bowditch Drive, P.O. Box 8044
Shrewsbury, Massachusetts
01545-8044 U.S.A.
Tel. int. +1 508 852 0200
Fax int. +1 508 852 8172

Europe

6-8 rue du Maine
68221 Wittenheim Cedex, France
Tel. int. +33 (0)3 89 50 64 00
Fax int. +33 (0)3 89 50 64 40

Latin America

Av. Independência
2500-Iporanga, 18087-101
Sorocaba-São Paulo
Brazil
Tel. int. +55 15 3235 9700
Fax int. +55 15 3235 9748/49

Middle East

Jebel Ali Freezone, P.O. Box 17175
Dubai
United Arab Emirates
Tel. int. +971 4 883 6974
Fax int. +971 4 883 6836

Asia Pacific

238A Thomson Road
#25-09 Novena Square Tower A
307684 Singapore
Tel. int. +65 6511 1011
Fax int. +65 6250 0830

www.metsoautomation.com



1771 Harmon Road
Auburn Hills, MI 48326
Phone:(248) 391-6100 Fax:(248) 391-6900
Website:www.kundinger.com Email:sales@kundinger.com

EVERYTHING YOU NEED FOR
PROCESS TECHNOLOGY SOLUTIONS