



A Series  
AT Series  
Valve Actuation

AS Series  
A2A Booster

# Process Industry Overview

Designed, built and tested for extreme temperature  
and harsh environments



**A Series**  
Pneumatic Valve  
Actuators  
*Double Acting*  
Bore size: 4" to 42"  
Piston rod diameter: 1" to 5½"



**AS Series**  
Spring Return Pneumatic  
Valve Actuator  
*Available in fail-close or fail-open*  
Valve Size: 2" to 10"  
Thrust: Up to 13,700 lbs



**AT Series**  
Pneumatic Modulating  
Valve Actuator  
with Integral Position  
Transducer  
*Single-ended*  
Bore Size: 5" to 42"  
Piston rod diameter: 1" to 5½"



**A²A Booster: 250 psi**  
Dual stage high output  
pneumatic booster  
Ratios 2:1, 3:1 and 4:1  
125 psi max inlet pressure  
250 psi max outlet pressure

# Partner Products

In keeping with our commitment to providing our customers with a fully-integrated solution, Cowan works in partnership with the world's leading providers of process valve and motion control products



## Control Valves

SlurryFlo™ control valves provide exceptional performance and reliability. The patented gate profile and unique orifice trims are custom designed for controlling any application



## Quarter Turn Actuators

Easytork Vane Actuators have one moving part creating pure rotary-to-rotary movement. Install and forget for years.



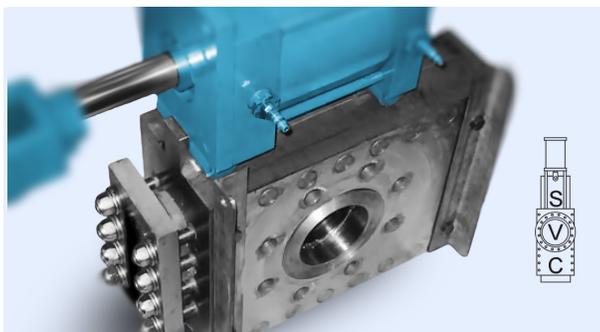
## Digital Positioners

The PMV line offers numerous features and options to ensure optimum control in virtually any process industry modulating application.



## Ceramic Valves

Skycera is the world leader in ceramic valve technology. Ceramics are six times stronger than stainless steel and will provide up to 30 times greater resistance to severe abrasion compared to alloy materials.



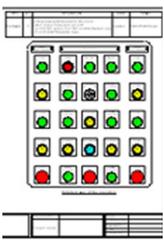
## Class VI Shut Off Valves

The Stargate-O-Port-Valve® valve by SVC eliminates scaling issues in valve applications once and for all. Designed and manufactured to strict tolerances.



# Process Control Overview

Valve Automation and Fail-Safe Solutions



## Design & Circuit Simulation

Control panels are designed, programmed and assembled in-house. Circuits are simulated with Automation Studio to ensure that they meet with specified logic performances.



## Local Control Panels

Control panels for indoor and outdoor use. With and without intrinsically-safe process instrument. NEMA 4X



## PLC Based Process Control Panels.

With the control of multiple process valves. Typical PLC's are Schneider, Siemens and Allen Bradley With failsafe or intrinsically safe options



## FAT and SAT available

Control panels are fully tested in-house with the process equipment. To ensure trouble free operation with the various components and systems

# Products & Services

*Cowan Dynamics supplies a diverse set of products and services to the Process and Automation Industries. Our automation division specializes in the design and manufacturing of a broad range of automated industrial equipment. Based on years of valuable experience, we pride ourselves on the quality of our engineering, manufacturing and problem solving capabilities*

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## **Process Services Include:**

**Valves & Actuators**

**Fail Safe Systems**

**Process Safety Management**

**Digital or Analog Process Control**

**Monitoring / Diagnostics**

**Site Surveys**

**Turnaround Support**

**For sales and technical information,  
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