

rotork®

Keeping the World Flowing

A simple yet intelligent control centre, capable of operating up to 240 actuators in a single loop, with a touch screen interface for ease of use.

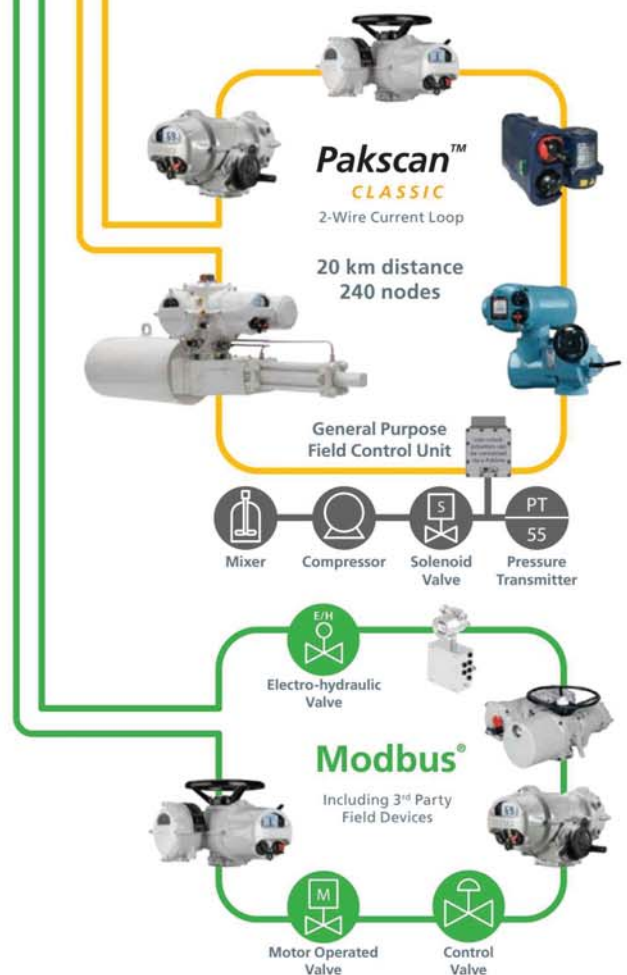
The Rotork *Master Station* and its field networks have been designed for use in all industries and applications where robust and reliable plant control and monitoring is required.

- › **Rotork *Master Station* with intuitive touch screen user interface**
- › **Up to three separate field networks on one Rotork *Master Station***
- › **Multiple host (Ethernet and serial) connectivity**
- › **Asset management and data logging**
- › **Built-in redundancy support**
- › **Existing *Pakscan* systems upgradeable to Rotork *Master Station***
- › **All *Pakscan* field networks open to third party devices**
- › **Efficient low cost install with minimum cost of ownership**
- › **Over 170,000 existing installed *Pakscan* field devices**
- › **Backed by Rotork global support**



rotork® *Master Station*

Supervisory Plant Control



FLOCONX®
— USA FLOW CONTROL COMPANY —

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The Rotork *Master Station* and *Pakscan Classic* current loop network system is the world leader in actuation control automation, providing comprehensive solutions for modern plant control and monitoring.

With its high level of innovation, intelligent design and ongoing Rotork global support ensures your operation will always run smoothly, efficiently and effectively. The system allows for backward compatibility with existing *Pakscan* systems and support for an Open Modbus RTU field network enables easy integration of other third party devices.

Intuitive touch screen user interface

Large touch screen interface and web pages share the same intuitive menu structure focused on providing quick device set up, interrogation and issue resolution.

- NAMUR NE107 diagnostic icons for easy recognition of status
- Full configuration via touch screen or web interface
- Multilingual interface options
- Dedicated service ethernet port maintains separation between configuration and monitoring systems and systems for controlling the process

Up to three field networks on one Rotork *Master Station*

The modular product design means a single Rotork *Master Station* can operate multiple field networks.

- *Pakscan Classic* and Modbus networks
- Multiple combinations of network Add In Modules (AIMs) in a single Rotork *Master Station*
- 240 field devices across the field network modules
- Control and monitor third party devices such as mixers, pumps and transmitters

Built-in redundancy support

Along with single and dual configurations, the Rotork *Master Station* can be supplied in hot standby configuration with built-in redundancy support. All network communications are secure with fault tolerance, allowing continued operation of the plant when a fault occurs.

- Hot standby configuration duplicates all interfaces; no single point of failure
- Standby system seamlessly takes control if failure occurs
- In-built diagnostic features
- Automatic fault location and indication on screen

Asset management and data logging

The Rotork *Master Station* has many features to enable the management of the assets connected to it.

- On-screen analysis of field device alarms and status
- Communication to DCS/PLC or asset management system
- Advanced features and logs for field device maintenance
- Valve torque profiles

Multiple host connectivity

The Rotork *Master Station* is fully pre-configured, providing easy integration with proven communications to all major DCS and PLC suppliers via Modbus TCP, and optionally Modbus RTU, protocols.

- Multiple host communications
- Multiple databases for maximum data transfer efficiency
- Touch screen display allows local stand alone operation

Easily upgrade existing *Pakscan* systems

Rotork *Master Station* has backwards compatibility with *Pakscan* IIE and P3 systems for field and host connectivity.

- Easy upgrade of existing *Pakscan* networks
- Rotork *Master Station* can replace existing IIE and P3 Master Stations without further network or device changes

All *Pakscan* field networks open for third party devices

- All Rotork and third party actuation products are supported
- Rotork actuator can act as a hub for connection of digital I/O into the various networks

Efficient low cost install with minimum cost of ownership

Direct cost reductions are made by using a single twisted pair cable.

- Long wired loop lengths without external repeaters
- Fast installation and commissioning = reduced downtime
- A choice of mounting options
- Wiring accessible from the front panels
- No expensive specialist software required

Backed by Rotork global support

- Worldwide service and commissioning support
- Documentation and on-site / in-house training
- Service engineers are fully trained in the Rotork *Master Station* and associated field networks



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