CENTRO, INC.

THE BEST SOLUTIONS FLOW THROUGH US.



SEVEN DIVISIONS. ONE POWERFUL PARTNER.

- Automation & Robotics
- Instrumentation, Measurement & Control
- Process Equipment & Sanitary Equipment
- Bulk Solid, Material Handling & Dust Collection
- Valve Actuation & Engineered Products
- Filtration & Process Systems
- Pump & Seal

SCAN ME

To obtain the latest e-version of the Centro Line Card.

A leading industrial solutions provider delivering products, expertise, and engineered solutions.

CentroSolves.com | CentroMROsupply.com | (800) 238-6672



COMPANY OVERVIEW

Centro is a specialty distributor and sales representative company focused on customers in industries where controlling the flow of fluids, solids, and gases during manufacturing processes is critical to success.

The company is organized into seven interdependent product focused divisions. Each division provides specific services and expertise to customers to control or monitor different parts of a manufacturing plant process.

Our mission statement is **"To be regarded by our customers and community as the best supplier of automation and control product solutions to Industry."** This mission statement reflects our company strategy and guides our decisions to expand Centro geographically and regarding our product capabilities.

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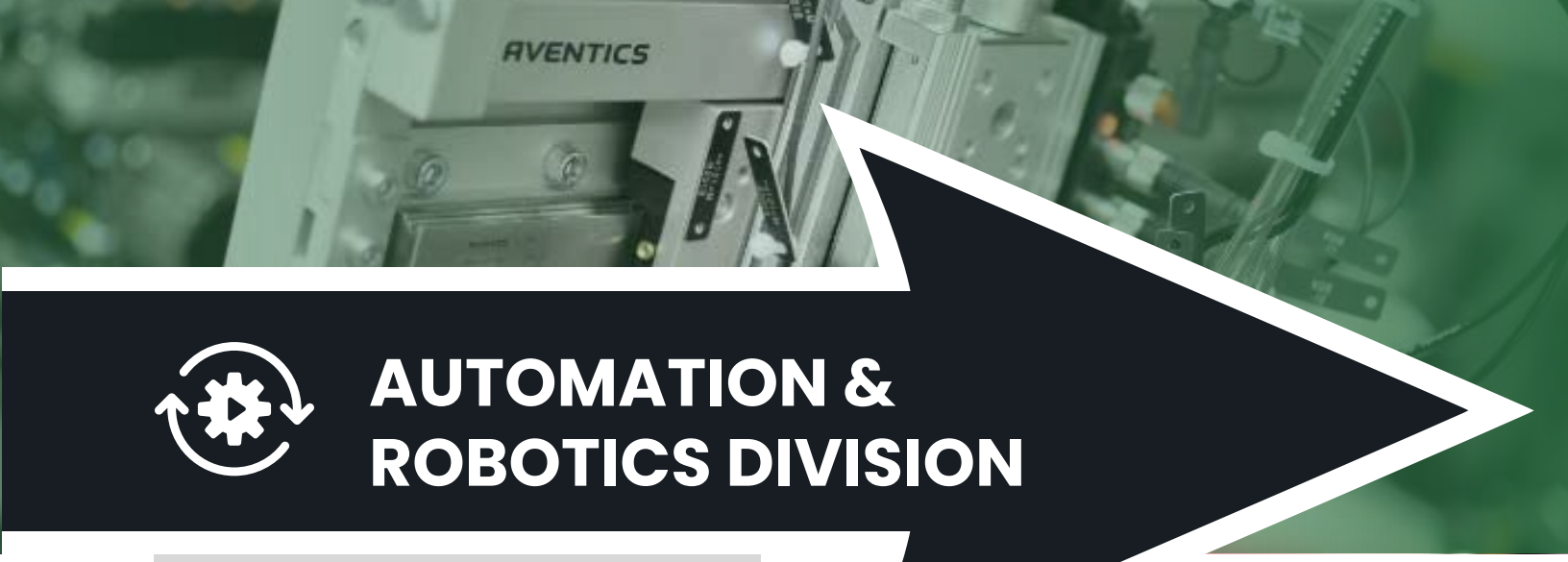


AUTOMATION & ROBOTICS DIVISION

The **Automation & Robotics** Division has a wide variety of experience and capabilities. This division is a resource for customers who need or desire to update or integrate new products or applications into their existing systems.

CORE SERVICES

> Process & Automation MRO Products:

- *Consigned Inventory*
- *Vendor managed inventory*
- *Dedicated customer stock*

> Engineered Guarding Solutions

> Automated Conveyor Solutions

> Control Panel Design Fabrication

> Cartesian Design and Fabrication

> Robot Consulting and Programming

> Customer Training

INDUSTRIAL AUTOMATION, CONTROL, MONITORING & VISUALIZATION

We have experience with many of the most popular PLC, HMI, and SCADA hardware and software systems with the ability to configure and program a new system or re-write or troubleshoot an existing PLC system.

MACHINE VISION (MACHINE CONTROL) SYSTEMS

We have experience working with machine vision inspection systems. Our systems help customers improve their processes and products subject to human fatigue or error. Our intelligent systems ensure that every item is inspected against a machine programmed standard that is not subject to human fatigue or failure.

ROBOTICS INTEGRATION & APPLICATION

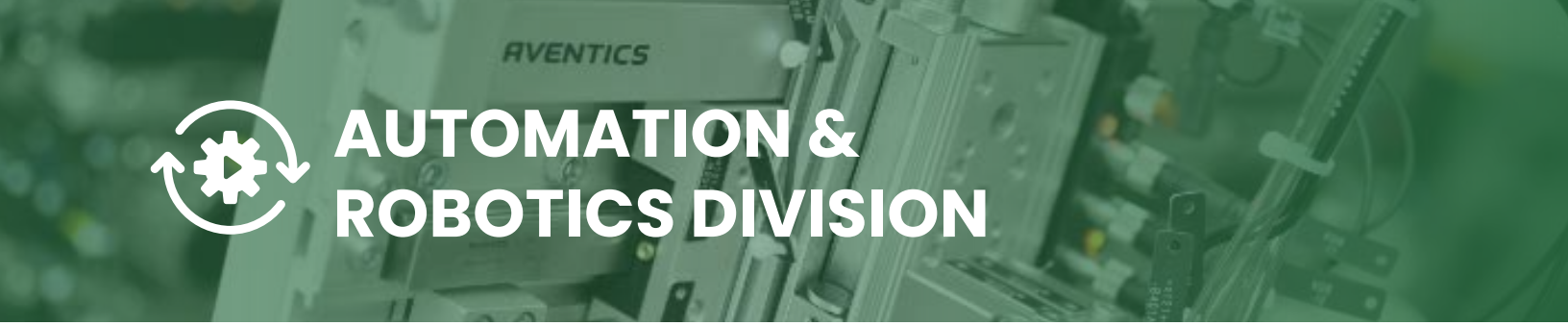
Centro works with customers to develop custom robotics solutions. By integrating robotics, IOT, material handling, and other technologies, we help customers achieve task automation and achieve their material handling goals.

AUTOMATED IDENTIFICATION SYSTEM (SENSORS)

Using bar code scanners and RFID automated identification systems are available to integrate data acquisition information with your existing applications. We can meet customer needs for handheld, fixed position, or mobile devices.

UL 508A AND NNNY CERTIFIED INDUSTRIAL CONTROL PANEL SHOP

Our UL 508A Panel Shop builds its panels following current industry standards and your specific requirements. We can help you design your custom control system, or we can make your system from your particular design.



AUTOMATION & ROBOTICS DIVISION

ABB INC.
Full range of low voltage electrical products

ACE CONTROLS
Deceleration and vibration technology

AIRTAC
Pneumatic components and actuators

AIRTROL INC.
Miniature pneumatic components

ALADCO
Pneumatic check valves

ALPHA TECHNOLOGIES / AIGNEP
Pneumatic accs. fittings, valves, cylinders

APEX / CLECO
Complete offering of assembly tools

APPLIED MOTION PRODUCTS
Motion control products and components

AUBO ROBOTICS
Collaborative robots

AVENTICS
Pneumatic cylinders and valve systems

BALDOR ELECTRIC MOTORS
Electric motors and drives

BALLUFF
Industrial sensors and sensor systems

BEBCO EPS / PEPPERL+FUCHS
Purge and pressurization systems

CANFIELD CONNECTORS
Interconnect devices

CHICAGO PNEUMATICS
Pneumatic and electric power tools

COMPACT AUTOMATION
Air and electric power tools

COOPER POWER TOOLS
Cylinders, rotary actuators, and linear actuators

DATALOGIC USA INC.
Automatic data capturing products

DIRECT CONVEYORS
Modular, industrial, conveying solutions

DORNER
Industrial and sanitary conveyors

INDUSTRIAL AC MOTOR CONTROLLER PACKAGE
Industrial AC motor controller package

ELLIS/KUHNKE CONTROLS
Pneumatic timers, indicators and counters

EMERSON AFAG
Feeding and handling technologies

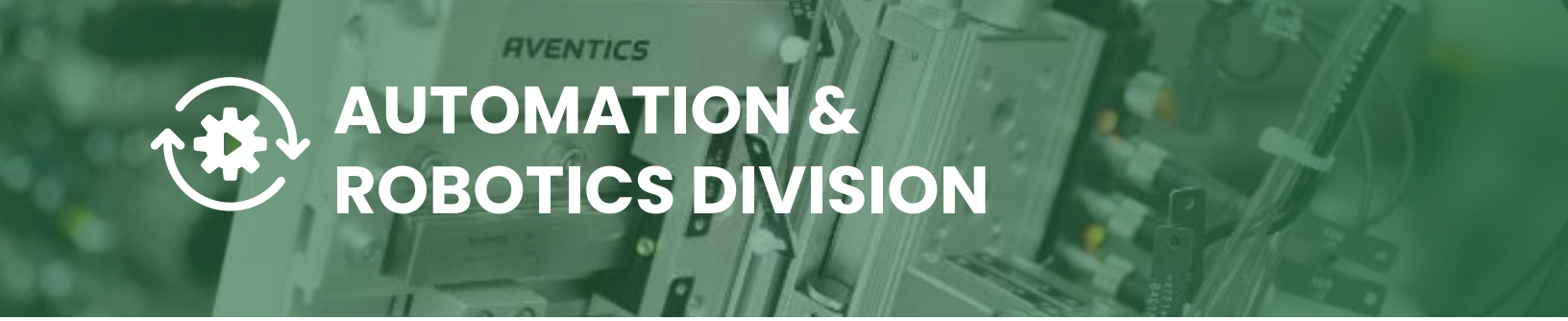
EMERSON CONTROL AND SOFTWARE
Solutions that optimize industrial processes safely, securely and reliably

EMERSON SOLA HEAVY DUTY
Protection from damaging impulses and power interruptions

ENFIELD TECHNOLOGIES
Pneumatic positioning systems and valves

EXERGEN
Non-contact temperature sensors

EXLAR ACTUATORS
Roller screw electric linear actuators



AUTOMATION & ROBOTICS DIVISION

FABCO-AIR
Compact air cylinders and valves

FIBRO
Rotary indexing tables

FLEXFACTORY
Flexible feeding systems

FORTRESS INTERLOCKS
Cell safety interlocks and gate switches

FREELIN-WADE
Plastic, Nylon, Polyethylene Tubing

FUJI ELECTRICAL DRIVES
Variable frequency drives, monitouch HMIs

GRACE ENGINEERING
Programming ports for electrical enclosures

GSM USA
Multi-application safety fences

HAMMOND MANUFACTURING
Electrical enclosures

HELUKABEL CABLE
US/CSA approved cable and wires

IBOCO. INC.
Wire management for electrical enclosures

IDEC
Control components, relays, timers and PLCs

INDUSTRIAL ENCLOSURE CORP. (IEC)
Great quality custom electrical enclosures

ITEM AMERICA, LLC
Aluminum extrusion building

IXON CLOUD
IoT Portal, machine data logs and visualization

LITTELFUSE
Fuses, fuse blocks, and wiring devices

MACRON DYNAMICS
Linear robotics, actuators

MASTER PNEUMATICS
Pneumatic solutions

MEM-CO
Miniature brass fittings, hose barbs

MENCOM CORPORATION
Industrial wiring connectors

MILWAUKEE CYLINDER
Pneumatic and hydraulic cylinders

MOUNTZ
Torque monitoring and measuring devices

MURRPLASTIK SYSTEMS INC.
Robotics wire. cable management products

NEUGART USA, LPPACKAGE
Precision servo gear reducers

NOSHOK
Gauges and transducers

NUMATICS
Pneumatic valves, control, automation products

PEPPERL+FUCHS
IS barriers, surge protection, XP HMI displays

PFANNENBERG SALES AMERICA, LLC.
Control panel temperature management

AUTOMATION & ROBOTICS DIVISION

PRO-FACE
Pro-face HMIs, industrial PCS, high-end HMIs

RENCO CONTROLS, INC.
Anti-tie down units

RK ELECTRONICS
Industrial control components and integration

ROLLON
Linear and telescopic guides, linear actuators

ROSS CONTROLS
Pneumatic valves and safety systems

SAGINAW CONTROL & ENGINEERING
Industrial enclosures

SCHMALZ
Vacuum automation systems

SCHNEIDER ELECTRIC
Electrical control and automation products

SCHUNK
Clamping technology and gripping systems

SICK OPTICS
Photoelectric sensors, vision, safety systems

SPARTAN SCIENTIFIC
Solenoid valves, operators, and accessories

STILSON
Machine tool accessories

SUMITOMO MACHINERY CORP
Gear motors, gear reducers, special gear reducers

TIME-MARK CORP.
Phase monitors, controllers and relays

VORTEC PANEL COOLERS
Enclosure cooling systems

WALTHER ELECTRIC
Pin and sleeve and rectangular connectors

WITTENSTEIN
Gear boxes (alpha)

WORLDWIDE ELECTRIC CORP.
Wholesale motor products and gearboxes

YASKAWA INDUSTRIAL
Drives, motion, and robotics



Drive Inside is a powerful industrial AC motor controller package from Centro with everything you need to get your machine up and running quickly and easily. Ask your Centro sales professional about our UL 508A and NNNY certified industrial panel shop.



BULK SOLID MATERIAL HANDLING & DUST COLLECTION

Centro provides dry bulk material solutions to enhance industrial process efficiency and effectiveness. Our **Bulk Solid Material Solutions** are designed to work reliably with bulk solids and provide customers with a wide range of benefits that optimize their processes. With the recent acquisition of LECORP, Centro has expanded its capabilities and expertise, allowing us to offer even more comprehensive solutions and innovative technologies to meet the evolving needs of our customers.

Our bulk materials solutions offer reliable materials handling capabilities for bulk solids in numerous industries, including injection molding, mining, construction, food processing, and chemical production. We utilize advanced technologies to provide our customers with efficient bulk solid handling systems tailored to each customer's individual needs.

KEY BENEFITS THAT SPEAK VOLUMES

Bulk solids material handling goes hand in hand with many industries where material movement, packaging, and filtration are critical success factors for production.

- **Cost Reduction:** Propel your manufacturing efficiency and minimize overheads.
- **Reliability:** Dependable systems designed for minimal downtime and reduced maintenance.
- **Quality Assurance:** Precision in handling that directly translates to superior product quality.
- **Data-Driven Operations:** Enhanced information flow for impactful operational improvements.

UNLOCK EFFICIENCY, ENHANCE PRODUCT QUALITY

Centro is not just another supplier; we are your strategic partner in operational excellence.

- **Diverse Industry Applications:** From Kubota Brabender Feeders to CST Storage Tanks and Silos to DCL Loadspouts, we've got every facet covered.
- **Air Handling Excellence:** With products from brands like AirPro Fans, Micronics Dust Collectors, and BHA Parker air quality and filtration are assured.
- **State-of-the-Art Conveyors:** Equip your operation with systems from trusted names like Dynamic Air, Fox Eductor, and Conveyance Solutions by Continental.
- **Unparalleled Safety Equipment:** Put safety first with offerings from Jetblack Safety and Newson-Gale.
- **Protect Your Product:** Stay ahead with smart solutions from Innovative Air Technology and Industrial Magnetics.

BULK SOLID MATERIAL HANDLING & DUST COLLECTION

ADWEST
Thermal oxidizers & VOC abatement

AMERICAN VACUUM COMPANY
Industrial vacuum systems

AGI AIRLANCO
Dust collectors

AIRPRO FANS
Industrial centrifugal fans

AIRSWEEP / CONTROL CONCEPTS INC.
Airsweep material activation system

AJR FILTRATION
Dust filtration products

AIR CONTROL INDUSTRIES
Air knife systems, personal blow-off systems

BOSS PRODUCTS
Fire and explosion mitigation equipment

BHA / PARKER
Dust collectors, cartridges and bags

CARMAN INDUSTRIES, INC.
Vibrating material handling solutions

CECO FILTERS
Mist control products

CHIEF ENGINEERING
Professional Mechanical Engineering Partner

CLEAR EDGE
Dust collection bags, filter press cloths

CONVEYANCE SOLUTIONS BY CONTINENTAL (CSC)
Bucket Elevators and screw/drag/belt conveyors

CST STORAGE
Bulk and liquid storage tanks and cover solutions

DUST CONTROL & LOADING SYSTEMS (DCL)
Dustless loading systems for dry bulk materials

DYNAMIC AIR CONVEYING SYSTEMS
Pneumatic conveying and bulk solids handling

ENVIROCARE INTERNATIONAL
Pollution control systems

FISHER-KLOSTERMAN
Custom-engineered industrial pollution control and product recovery systems

FOREMOST
Auxiliary equipment for materials handling

FORMPAK INC.
Bulk bag filling, unloading, and integrated handling equipment

FOX VENTURI EDUCTORS
Solids conveying venturi eductors and blower/eductor combinations

HAMMERTEK CORP.
Smart elbows for pipe and tubing

HEE-DUALL
Wet scrubbers & industrial fans

INDUSTRIAL MAGNETICS INC.
Industrial-grade magnetic solutions

INNOVATIVE AIR TECHNOLOGIES
Custom desiccant dehumidifiers

JETBLACK SAFETY
OSHA compliant personnel cleaning equipment

JL COMPONENTS
Blower packages and sound enclosures

BULK SOLID MATERIAL HANDLING & DUST COLLECTION

JUST LIFT
Ergonomic mini counterbalance cranes

KOCH
HVAC, panel and HEPA filters

KUBOTA/BRABENDER TECHNOLOGIE
Gravimetric and volumetric feed and discharge devices

LAPEYRE STAIR
Prefabricated metal stair systems

LECORP
Material handling equipment suppliers and systems designers

LORENZ CONVEYING PRODUCTS
Cyclones/conveying diverters, conveying accessories and slide/roller gates

MASTERDUCT
Lightweight industrial hoses and connections

MICRONICS ENGINEERED FILTRATION GROUP
Customized engineered filtration solutions

MONITOR TECHNOLOGIES
Level indication & inventory control for powders & bulk solids

MORRIS COUPLING CO.
Pipe, tubing, fittings, and couplings for pneumatic and vacuum conveying applications

NATIONAL AIR VIBRATOR CO. (NAVCO)
Pneumatic and electric vibrators to promote product flow

NATIONAL TURBINE CORP.
Centrifugal blowers, exhausters, gas/air handling and central vacuum systems

NEWSON GALE
Static grounding and bonding solutions

NORDFAB
Ducting for process ventilation, dust collection

PERMIX
Commercial and industrial mixers manufacturer

PROCO PRODUCTS, INC.
Check Valves and Expansion Joints

PRECIA MOLEN
Comprehensive Weighing Solutions

QUICKDRAFT
Pneumatic conveying and exhaust systems

RICE LAKE WEIGHING SYSTEMS
Innovative weighing and process control solutions

RHEWUM
Custom screening machines and screeners

ROTOLOK
Rotary valves, slide gates, diverters

SIFTEX
Standard or custom flexible connections

SOLBERG
Industrial filters, traps and silencers

SOLIMAR PRODUCTS
Aeration systems and engineered components

UAS / PARKER
Smog Hog and Dust Hog for oil, mist and dust removal

UNIVERSAL BLOWER PAC
Vacuum/pressure packages, accoustical enclosures and custom designs

ZALLY'S
Electric tuggers, movers, and transporters



FILTRATION & PROCESS SYSTEMS

The **Filtration and Process Systems** Division has various experience and capabilities. The division is a resource for customers that need or desire to improve efficiency, improve product quality, reduce costs or reduce emissions.

We are focused on the following processes where our solutions can have a significant impact on manufacturing efficiency and product quality.

- Liquid Purification and Separations
- Process Cooling
- Vacuum and Blowers

LIQUID PURIFICATION AND SEPARATIONS

With experience in a wide range of industries and applications, we match filtration technology, filter media, and the system operating characteristics, to develop the correct solution. Separations involve solids from liquids and liquids from liquids.

PROCESS COOLING

Centro represents two of best in class companies for Chillers and Cooling towers in the industry. Our expertise can help with your process cooling requirements and help develop a system to best fit your needs.

VACUUM AND BLOWERS

A critical component of processes is air movement whether with pressure or vacuum. Centro has several years of experience and represents manufacturers that can help find the right solution for your process. Our solutions include eductors, ejectors, blowers, dry and lubricated vacuum pumps, and liquid ring vacuum pumps.

SERVICES

- Process review and recommendations
- Compressed air surveys
- Inventory consignment programs
- Vendor managed inventory programs

FILTRATION & PROCESS SYSTEMS

3M PURIFICATION / CUNO
Liquid filtration products

ACE MANUFACTURING
Delpark gravity filter bed

AJR FILTRATION
Liquid filter cartridges and bags

AIRTECH
Vacuum pumps and blowers

AQUAMATIC
Industrial/Commercial diaphragm valves

ASPIRE / PARKER
Lenticular filters and filter pads

BALSTON / PARKER
Premium compressed air, gas purification

BEKO
Automatic drains, separators, and dryers

CARLISLE FLUID / BINKS / DEVILBISS
Painting spraying equipment

CLEMCO
Blast cabinets, pots, media, safety equipment

DELTA PURE / AJR FILTRATION
Cartridge filters for process liquid systems

DONALDSON HYDRAULICS
Hydraulic filters and vessels

EVOQUA
Dewatering filter presses

FINITE / PARKER
Compressed air filtration and FRLs

FLUIDTROL (FPT)
Corrosion resistant strainers and vessels

GLOBAL FILTRATION
Liquid filtration products

GRACO
Paint guns and equipment

HAYWARD / EATON FILTRATION
Strainers, bag filters and vessels, automatic strainers

ISLIP/IFC
Simplex, duplex, and fabricated strainers

JONELL, INC.
Liquid and gas pleated cartridges and coalescers

KNIGHT FILTRATION
Filter bags and housings

LAKOS FILTRATION SOLUTIONS
Filtration and separation technologies

LINCOLN LUBRICATION | SKF
Industrial lubrication solutions

MANCHESTER TANK
Pneumatic receiver tanks

MATRIX SEPARATIONS
Filtration and separation products

NES VACUUM PUMPS
Vacuum pumps and skids

PARKER PROCESS FILTRATION
Liquid filtration media and vessels

PECO / PARKER
Oil and refinery liquid, gas process filtration

FILTRATION & PROCESS SYSTEMS

PUROLOTOR / PARKER
Metallic filters, metaledge self cleaning filter

RPA / EATON FILTRATION
Self cleaning backwash filtration systems

SEEBACH / JOHN CRANE
Filtration systems and media

SEFAR AMERICA
Filter press cloths, drum filters, filter paper + belts

SHAWNDRA
Air, liquid, gas filters and vessels

STRAINRITE
Liquid filter bags and vessels

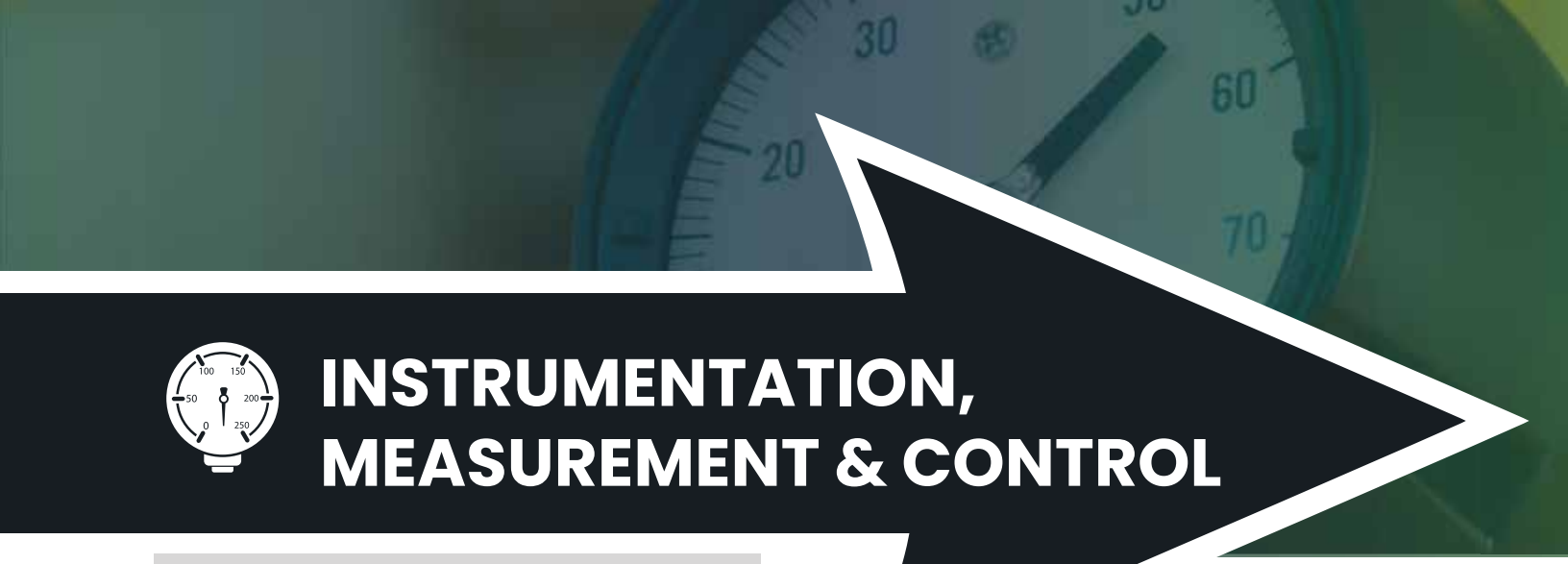
TOWER TECH
Non-ferrous cooling towers

VAF FILTRATION SYSTEMS
Backwashing water filters and cooling tower filters

VAN AIR
Compressed air dryers and media

VINCENT
Dewatering screw press

YARDNEY
Sand filter, multi-media filter, carbon filter systems



INSTRUMENTATION, MEASUREMENT & CONTROL

Instrumentation provides the dashboard for measuring and controlling industrial process manufacturing. Deliberate and highly intentional use of the products in the **Instrumentation, Measurement & Control** Division provides our customers with the ability to run their plants at peak efficiency.

The Instrumentation, Measurement & Control Division of Centro has experience with process variable measurement and control for pressure, temperature, flow, level, analytical, and gas detection safety products.

In close collaboration with our key vendors, we can select and apply the most appropriate products to provide our customers with the information they need to ensure the reliability and control of key manufacturing processes.

PROCESS CONTROL & SAFETY

Centro has in-depth and comprehensive experience in control technologies and applications across industries such as chemical manufacturing, energy generation, pulp & paper, food & beverage production, and refining. Centro has best in class vendors and experience in:

- Single loop, batch controllers, integrated control solutions
- Portable toxic gas detection
- Fixed toxic gas detection and industrial fire safety systems
- Mechanical instrumentation

INFRASTRUCTURE DESIGN & ASSISTANCE

Centro can partner with the engineering team at our customers to support their goals of improved process reliability, safety, and quality.

KEY SERVICES

- Brand-specific, factory authorized technical training
- Fully authorized mechanical gauge repair and assembly
- Fully authorized diaphragm seal repair and assembly
- Inventory consignment programs
- Vendor managed inventory programs
- Product instrument repairs
- 24-hour emergency response

INSTRUMENTATION, MEASUREMENT & CONTROL

ALCO VALVES GROUP
Instrument valve manifolds

AMETEK / US GAUGE
Gauges, bi-metal thermometers, chemical seals

ANDERSON GREENWOOD (EMERSON)
Pressure relief valves, tank protection products, primary isolation valves, and instrumentation

ASHCROFT
Gauges, bimetal thermometers, chemical seals

BINDICATOR
Level controls for solids

CONOFLOW
Diaphragm seals

DK-LOK
Instrument fitting and valves

DWYER / MERCOID
Flow and level controls, gauges, and valves

DWYER / UNIVERSAL FLOW MONITORS
Dwyer Rocon - Delta Point manifold flow sensors

E+E ELEKTRONIK
Industrial sensors and probes

ECOM AMERICA
Combustion gas analyzers

ERNST FLOW INDUSTRIES
Liquid level sight gauges

FLOWLINE
Tank level inventory monitors

FOXBORO BY SCHNEIDER ELECTRIC
Instrumentation, SCADA, Telemetry, AccuTech Wireless

GEMS / WARRICK
Liquid level and flow switches, pressure transducers

GRAPHIC CONTROLS
Chart paper

HOFFER FLOW CONTROLS
Precision flow meters

HONEYWELL
Fixed gas detection systems

HYETT
Diaphragm seals

ICON
Corrosion-free industrial instrumentation equipment

KISTLER-MORSE
Bulk solid weighing and level instrumentation

KOBOLD
Process instrumentation

LIQUID CONTROLS
Meters for measuring and batching liquid

MACNAUGHT
Positive displacement flow meters

MADISON
Float switches and liquid level sensors

MARSH BELLOFRAM
Instruments and gauges

MCDANIEL CONTROLS
Gauges and accessories

MICRONICS
Clamp-on ultrasonic flow meters

INSTRUMENTATION, MEASUREMENT & CONTROL

MID-WEST INSTRUMENT
Differential pressure gauges

NIAGARA METERS
Flow meters (Aaliant)

PALMER / WAHL
Gauges and thermometers

PERMA-CAL
Direct drive process and test gauges

PETE'S PLUG
Proprietary pressure and temperature test plugs

PHOENIX CONTACT
Omnex wireless transmitters

PRECISION DIGITAL
Process meters and panel meters

PYROMATION
Thermocouples, RTDs, thermowells, transmitters

QUEST-TEC
Glass sight, boiler and magnetic gauges

REOTEMP
Pressure and temperature gauges

SAGE METERING
Thermal mass flow meters

SENSORTEC
Industrial thermocouples and RTDs

SIGNET / GF SIGNET
Flow, pH, and conductivity meters, transmitters, controllers

STAUFF
Pipe clamps, test points, connectors, couplings

TAYLOR
Dial, industrial, lab, pocket, wall mount thermometers

TECHLINE
Cable tray, instrumentation stands, accs.

TRERICE INSTRUMENTATION
Industrial gauges and thermometers

VAN LONDON
Analytics instruments, pH and conductivity probes

WALTRON
Water Analyzers

WEKSLER / ASHCROFT
Pressure Gauges

WIKA
Gauges, bimetal thermometers, chemical seals

WINTERS INSTRUMENTS
Gauges, bimetal thermometers, chemical seals



PROCESS EQUIPMENT & SANITARY

The Centro Process Equipment and Sanitary division is focused on industries where heat transfer, fluid mixing, and fluid transfer can have a significant impact on manufacturing efficiency and product quality.

In Process Industries as diverse as Food & Beverage, Personal Care, Pharmaceutical, Mining, Chemical Manufacturing, Pulp & Paper, Industrial Waste Water, and Oil Refining the products and solutions of the Centro **Process Equipment & Sanitary** Division can have a direct positive impact on product quality and customer productivity.

HEAT EXCHANGER APPLICATIONS

By matching thermal technology, mechanical design and system operating characteristics, production can be improved while reducing production costs and waste.

MIXING APPLICATIONS

Mixers for industrial & waste water applications, plus full service repairs for all brands of mixers.

THERMAL FLUID APPLICATIONS (HOT OIL)

Partnering with customers to find opportunities for improvement within the context of thermal fluid systems.

PUMP APPLICATIONS

Integrating best-in-class pump technology products to meet our customers' fluid transfer objectives.

TANK CLEANING APPLICATIONS

By matching cleaning technology and the system operating characteristics, production can be improved while reducing production costs and waste.

SANITARY VALVING & ACCESSORIES APPLICATIONS

Centro can reduce your downtime, improve process reliability, and optimize your manufacturing output by matching the right valve to your application.

APPLICATIONS & ENGINEERING SUPPORT

Our experts provide detailed sales and engineering assistance to the process industries by representing high- quality technology leading manufacturers.

PROCESS EQUIPMENT & SANITARY

ALFA LAVAL / GAMAJET
Engineered tank cleaning equipment

ALFA LAVAL / TRI-CLOVER
Sanitary valves, fittings, pumps, heat exchangers

BRAN+LUEBBE / SPX FLOW
Metering pumps

DICKOW PUMP COMPANY
Magnetically driven centrifugal pumps

FULTON
Thermal fluid heater systems

HEAT EXCHANGER GROUP
Plate and frame heat exchangers

HEXONIC
Welded and brazed heat exchangers

LIGHTNIN / SPX FLOW
Industrial and wastewater mixers

METALFORMS
High performance shell & tube heat exchangers

PHILADELPHIA / SPX FLOW
Industrial and waste water mixers

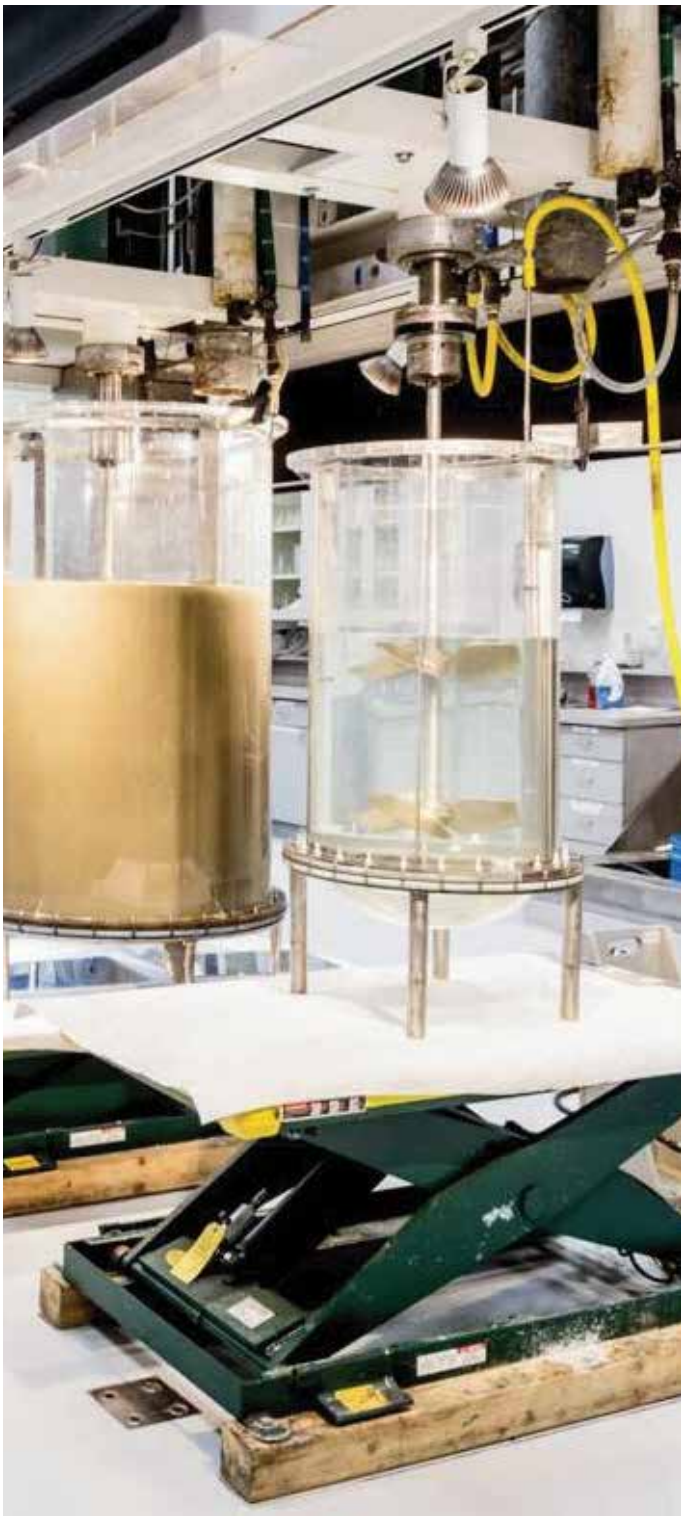
SCOTT MIXERS
High shear mixers and pumping systems

SPIRAX SARCO
Steam traps, steam systems, and valves

SLACK & PARR
High pressure gear metering pumps

WAUKESHA CHERRY-BURRELL / SPX
PD pumps for high viscosity and/or shear sensitive fluids

WAYLAND INDUSTRIES
Stainless steel sanitary fittings, valves, and tubing





PUMP & SEAL

The Centro Pump & Seal Division focuses on industrial processes where moving flow efficiently, effectively, and safely through a manufacturing facility is the critical component of the customer process.

By providing the proper pump, seal, and control technology, the Centro **Pump & Seal** division can significantly impact manufacturing efficiency, process reliability, customer product quality, and overall plant safety. Centro is committed to providing the expertise, support, repair services, world-class, industry- leading products, and product partners to lower customer operating costs and help our customers reach their goals.

PUMP APPLICATIONS

By matching the correct pump to our customer's specific manufacturing needs, Centro can reduce customer Mean Time Between Failures (MTBF) and improve critical customer processes.

SEAL APPLICATIONS

Centro understands the critical role proper sealing can have on pump efficiency, process reliability, and product quality. By applying Centro expertise, we can help solve customer sealing issues by providing the correct seal technology, inventory management issues, and repairs.

CONTROL SYSTEM APPLICATIONS

Centro partners with our customers to achieve their goals by finding opportunities to improve flow controls resulting in efficiency gains, better productivity, and energy savings. The application of proper control technologies, including Variable Speed Drives and Control, can reduce energy expenses, improve pump life, and improve pump reliability.

PUMP & SEAL REPAIR

Centro can repair customer pumps and seals utilizing in-house capabilities, repair shop partnering agreements, and the extensive network of repair centers maintained by the various product partners we represent.

APPLICATIONS & ENGINEERING SUPPORT

Centro has a highly trained team of field sales and inside customer support specialists. The Centro team can support our customer decisions on plant layout, piping changes, and product selection. Our engineering support team can help customers reach their manufacturing and cost goals with our customers.



PUMP & SEAL

ADVANCED SEALING TECHNOLOGIES
Rotating equipment seals

BLACOH INDUSTRIES
Pulsation dampeners

CONTINENTAL PUMP COMPANY
Progressive cavity pumps

CORNELL PUMP COMPANY
Industrial, agricultural, municipal, mining pumps

DANFOSS
Adjustable frequency drives

FLOWSERVE PUMPS
Durco, IDP, Byron-Jackson, Worthington

FLOWSERVE SEALS
Durametalic, BW, Pacific Wietz, and Pac Seals

HYDROFLO PUMPS
Vertical turbine pumps

INNOMAG / FLOWSERVE
Sealless, non-metallic, mag-drive pumps

IWAKI AMERICA INC.
Chemical metallic, non-metallic, mag-drive pumps

LAWRENCE PUMPS / FLOWSERVE
Centrifugal pumps

LIBERTY PROCESS EQUIPMENT
Progressing cavity pumps

LINC PUMPS / WILLIAMS
Pneumatic + electric pumps, level switches

POLYSHIELD / STRUCTURAL TECHNOLOGIES
Baseplates and foundation systems

LIQUIFLO
Mag-drive gear and centrifugal pumps

LMI
Metering pumps

MILTON ROY PUMPS
Controlled volume (metering) pumps

MOSHERFLO PUMPS
ANSI and self-priming pumps

PENTAIR PUMP GROUP
Aurora, Fairbanks-Morse, Myers, Layne, Aplex, Sta-Rite

PULSATRON / PULSAFEEDER
Metering pumps

ROTECH
ANSI and Centrifugal Pumps

SMITH & LOVELESS
Industrial wastewater pumping and treatment solutions

SIHI / FLOWSERVE
High temperature and thermal oil pumps

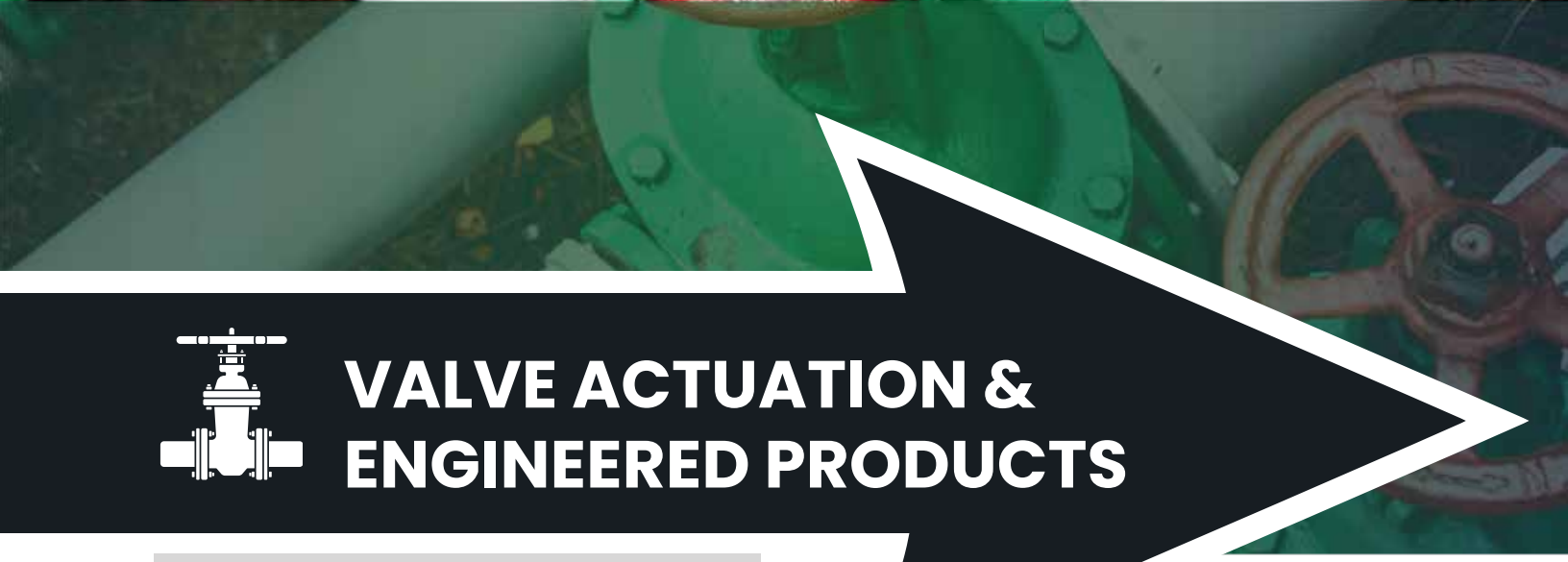
TOYO / HEVVY PUMPS
Industrial sump pumps

VACON / DANFOSS
Adjustable frequency drives

VERDER INC.
Peristaltic, AOD, lobe and disc pumps

WILLIAMS PUMPS
Pneumatic metering pumps, chemical injection systems

YAMADA PUMPS
Air operated diaphragm pumps



VALVE ACTUATION & ENGINEERED PRODUCTS

The Centro Valve, Actuation and Engineered Products Division is focused on industrial manufacturing where Process Control, Flow Control, Electric Tracing, Steam Control, and Loading and Unloading can have a significant impact on manufacturing efficiency and product quality.

Centro has the best-in-class product lines and the experience to apply the **Valve, Actuation & Engineered Products** to create integrated process solutions for our customers that will lower the total cost of ownership and support our manufacturing goals for customers.

VALVING APPLICATIONS

In a process environment where products flow in all directions, many different valves must be used in a highly deliberate plan to optimize your process. By matching the right valve to your application, Centro can reduce your downtime, improve process reliability, and optimize your manufacturing output.

ELECTRIC HEAT TRACING APPLICATIONS

Centro can help engineer and design an Electric Heat Trace system that fits your needs and gives you improved temperature control. Proper application of Electric Heat Tracing can improve process reliability and lower manufacturing costs by creating highly reliable temperature control in the manufacturing process.

STEAM SYSTEMS APPLICATIONS

Centro partners with our customers to achieve their goals by finding opportunities for improvement within the context of Steam Utilization. Steam is an essential process utility used widely in a variety of manufacturing operations. The quality of the steam, control of the heat, water content of the steam system, and natural gas consumption has the potential to dramatically improve plant reliability, improve product quality, and reduce operating costs.

LOADING & UNLOADING SYSTEMS

Centro has deep experience and an industry-leading product for loading and unloading of rail cars and trucks. Proper application of critical loading and unloading techniques can improve process work flow and eliminate manufacturing bottlenecks that can slow down production or affect your product quality.

VALVE ACTUATION AND REPAIR

Centro can automate your valve needs and conduct light valve repair. Our experience in valve repair and automation can lower our customers' operating costs and reduce the number of spares that are held on-site for maintenance and repair operations.



VALVE ACTUATION & ENGINEERED PRODUCTS

APOLLO / CONBRACO
Ball, butterfly, plug valves and actuators

ASCO / EMERSON
Solenoid valves, pressure and temp. switches

AUTOMAX / FLOWSERVE
Electric and pneumatic actuators

BELGAS REGULATORS
High and low pressure regulators

BRAY INTERNATIONAL
Resilient seated and high performance BFV

CONTROLAIR
Instrument air regulators and tranducers

DEKORON / UNITHERM
Pre-insulated tubing bundles

DELVAL FLOW CONTROLS
Triple and double offset butterfly valves

DURCO / FLOWSERVE
Plug, ball, butterfly, and lined valves

ELITE INDUSTRIAL CONTROLS
Industrial control valves and dampers

GEORG FISCHER
Plastic ball, butterfly valves and actuators

HAYWARD FLOW CONTROL
Plastic valves and actuators

INLINE INDUSTRIES BALL VALVES
Ball valves

KÄMMER / FLOWSERVE
Sanitary, speciality, general purpose control valves

MCCANNA / FLOWSERVE
Top entry metal seated ball valves

NASVI
New, reconditioned, and repaired safety valves

NELSON HEAT TRACE / EMERSON
Electric heat tracing cable, components, and controllers

OPW
Loading arms and fittings

POWERS / WATTS
Commercial and industrial temperature regulators

PROMATION ENGINEERING
Linear and rotary electric actuators

REMOTE CONTROL / ROTORK
Valve actuators

SHARPE VALVES
Ball, butterfly valves and actuators

STRAHMAN GROUP
Process and sampling valves, wash down systems

THERMOMEGATECH
Thermal actuators, valves and washdown

TOPWORX / EMERSON
Limit switch indicators

VALVE ACTUATION & ENGINEERED PRODUCTS

VALTEK / FLOWSERVE
Precision industrial control valves

VIR
Refurbished control valves and controllers

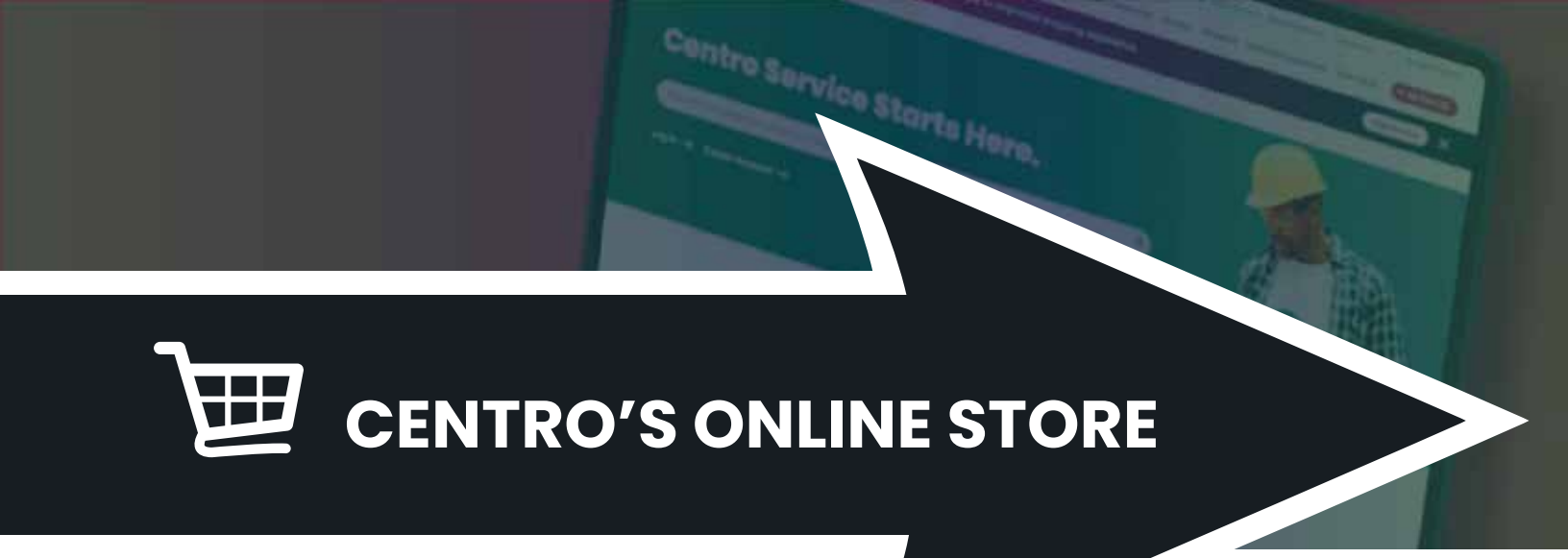
WATSON MCDANIEL
Steam traps and regulators

WESTLOCK CONTROLS
Valve positioners

WM. W. MEYER & SONS INC.
Rotary air lock valves

WORCESTER / FLOWSERVE
Industrial ball valves and actuators





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