



## PROCESS CONTROLS & INDUSTRIAL AUTOMATION

Analytical Gas & Liquids | Condition & Vibration Monitoring | Control | Flow | Heat Trace | Data Acquisition | Density  
**SOLUTIONS** | Enclosures | Fixed Gas & Flame Detection | Integration | Automation | Level | Moisture  
 Pressure | Sensors, Fieldbus & Connectivity | Signal Conditioning & Isolation | Temperature | Valves | Wireless & Telemetry

### INDUSTRIES SERVED

Refining & Petrochemical | Natural Gas | Energy & Power Generation  
 Utilities | Renewable Energy | Mining & Metal | Pharmaceutical  
 Life Science | Food & Beverage | Pulp & Paper | Iron & Steel  
 Semiconductor | Water & Wastewater | Biofuel  
 Building Materials & Construction | Cement  
 General Industrial & Manufacturing | Environmental | Aerospace

## TOTAL SOLUTION PROVIDER



### Innovative Solutions

Quality Instrumentation  
& Analytical Devices



### 24/7/365 Service

Field Service Support  
& Extra Manpower



### Training & Development

Technical Courses, Custom  
Sessions, THE UNIT & Virtual



### Experience

20+ Years Delivering  
The TechStar Difference





# WE ARE YOUR TOTAL SOLUTION PROVIDER

## ① SOLUTIONS

Since 2001, we have been committed to solving process control challenges for all process industries. We have strategically aligned ourselves with manufacturers that share in our deep-rooted beliefs in innovation, products of the highest quality and a shared commitment to best-in-class customer service.

Why spend countless hours sourcing equipment from different providers? TechStar is your One - Stop - Shop.

## WITH YOU EVERY STEP OF THE WAY

The days of having a transactional relationship with your sales rep are over. We pride ourselves on being your true technical resource.

- Experience
- Innovative Solutions
- Service & Training

## ② SERVICE

Now that you have a complete solution, what's next? The baton has been handed to your team, but bigger problems can arise. That's where service comes in:

24/7/365...

We don't close our doors after a solution is implemented; we walk with you every step of the way to ensure equipment is running optimally & ongoing maintenance requests are completed.

## ③ TRAINING

Our goal is to optimize both your people & your process.

We believe your operations are only as good as the staff running your equipment. Through TechStar University we continue to support your team with a variety of technical training and development curriculum.

- Theory & Troubleshooting
- Hands-On Application | THE UNIT
- Custom Sessions
- Distance/Virtual Learning

# TECHSTAR IS YOUR SUBJECT MATTER EXPERT

We have heavily invested in our team to bring you a true technical resource. Our Subject Matter Experts have developed a deep and working knowledge of the technology and theory behind the solution to ensure maximum efficiency and productivity.

The technical experience within our walls is the true TechStar Difference. We are dedicated to always being better and appreciate the challenge to do more.

## AREAS OF EXPERTISE

- Analytical Measurements
- Automation & SCADA
- Condition & Vibration Monitoring
- Engineering & Projects (EPC)
- Field Services
- Flow Measurements
- Food & Beverage
- Level Applications
- Oil & Gas
- Pressure Measurements
- Technical Training
- Water & Wastewater
- And Much More...

ALL BACKED BY INDUSTRY  
LEADING PARTNERS

## PARTNERS IN PROCESS AUTOMATION



## SALES REPRESENTATION VARIES BY REGION

As a manufacturer sales rep, we have exclusive coverage areas. Our commitment however as a 'Total Solution Provider' is ALWAYS find our customers a solution by working through our network of partners and strategic alliances. We will never leave you without a solution!





## PROCESS CONTROLS & INDUSTRIAL AUTOMATION

Our world-class manufacturing partners enable us to tackle even the toughest challenges. Trust us to get your processes running at peak performance. Let's get started now and witness firsthand the difference TechStar can make!



- FLOW



- PRESSURE
- VALVES



- ANALYTICAL GAS
- ANALYTICAL LIQUID
- MOISTURE



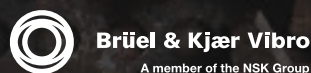
- ENCLOSURES
- HEAT TRACE
- INSTRUMENT TUBING



- DENSITY
- LEVEL
- MOISTURE



- LEVEL



- CONDITION & VIBRATION MONITORING



- ANALYTICAL GAS
- ANALYTICAL LIQUID



- FLOW



- FLOW
- LEVEL



- FLOW



- FLOW



- VALVES



- WIRELESS & TELEMETRY



- ANALYTICAL GAS
- ANALYTICAL LIQUID



- CONDITION & VIBRATION MONITORING



- LEVEL



- INTEGRATION | AUTOMATION
- VFD



- CONTROL
- SIGNAL CONDITIONING & ISOLATION
- TEMPERATURE



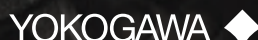
- SENSORS, FIELDBUS & CONNECTIVITY



- ANALYTICAL GAS
- FIXED GAS & FLAME DETECTION



- ANALYTICAL LIQUID



- ANALYTICAL GAS
- ANALYTICAL LIQUID
- CONTROL
- DATA ACQUISITION
- FLOW
- PRESSURE
- TEMPERATURE
- VIBRATION MONITORING
- WIRELESS & TELEMETRY



## ANALYTICAL GAS

- Advanced Reflux Sampler
- Calibration Gas
- CEMS Analyzers
- CO<sub>2</sub> & H<sub>2</sub>S Analyzers
- Distillation Analyzers
- Gas Density Analyzers
- Mass Spectrometers
- Moisture Analyzers
- Natural Gas Analyzers
- Oxygen Analyzers
- Process Gas Chromatographs
- Sample Systems
- Sulfur Recovery Unit
- Total Sulfur & Nitrogen Analyzers
- Tunable Diode Laser Spectrometers



## ANALYTICAL LIQUID

- Chlorine Analyzers
- Conductivity
- Dissolved Oxygen
- H<sub>2</sub>S In Liquids Analyzers
- Moisture Analyzers
- Oil In Water Analyzers
- pH & ORP Analyzers
- Sample Systems
- Total Organic Carbon (TOC)
- Total Sulfur & Nitrogen Analyzers
- Turbidity Analyzers
- Viscosity Analyzers
- Water Chemistry Analyzers



## CONDITION & VIBRATION MONITORING

- Condition Monitoring Services & Training
- Custom Cabinets, Panels & Enclosures
- Diagnostic Software
- Oil Health Monitoring
- Portables
- Protection and Condition Monitoring Systems
- Sensors and Transmitters
- Wireless Vibration Monitoring



## CONTROL

- Configuration Tools
- Distributed Control System
- Limit Controllers
- Manual Setters
- Panel Indicators
- PID Controllers
- Process Controllers
- Program Controllers
- Programmable Logic Controllers
- Safety Instrumented Systems
- SCADA Systems
- Single Loop Controllers
- Temperature Controllers



## DATA ACQUISITION

- Aerospace Heat Treat (AMS 2750/NADCAP)
- Chart Recorders
- Data Acquisition Software
- Data Loggers
- High-Speed Data Acquisition
- Modular Systems
- Panel Mount Recorders
- Pharmaceutical (US FDA 21 CFR Part 11)
- Portable Data Acquisition



## DENSITY

- Gas Density
- Interface Measurements
- Nuclear Point & Rod Detectors
- Nuclear Point & Rod Sources
- Nuclear Services (RSO/ Disposal/Training)
- Nuclear Sources & Shields



## FIXED GAS & FLAME DETECTION

- Acoustic/Ultrasonic/Optical Leak Detectors
- Calibration Gas
- Controllers
- Fire and Gas Mapping
- Fire and Gas Systems (NFPA 72)
- Flame Detectors
- Gas Detectors/Monitors
- IR and Laser Based Open Path Gas Detectors
- Mobile Gas Detection
- Refrigerant Monitors
- Test Lamps





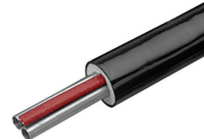
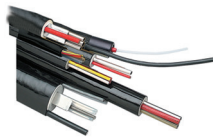
## FLOW

- Air Flow Measurement
- Coriolis Flow Meters
- Flare Flow Meters
- High Temp/Cryogenic Flow Meters
- Magnetic Flow Meters
- Sanitary Flow Meters
- Thermal Gas Mass Flow Meters
- Ultrasonic Flow Meters
  - Liquid & Gas
  - Permanent Meters
  - Clamp-on Meters
  - Portable Meters
- Variable Flow Meters
- Vortex Flow Meters



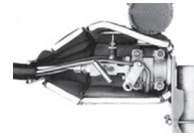
## HEAT TRACE

- CEMS Bundles
- Electric Heated Instrumentation Analyzer Bundles
- Heat Trace Control Systems
- Installation Services
- Steam Traced Bundles
- Tubing



## INSTRUMENT ENCLOSURES

- Draft Transmitter Enclosure
- Full Enclosures
- Instrument Supports
- Partial & Flexible Enclosures



## INTEGRATION | AUTOMATION

- Analyzer Sample Systems
- Modbus Training
- Panels & VFDs
- PLCs
- Power Solutions
- Programmers
- SCADA/IIoT
- Telemetry & Wireless Networks
- Turnkey Solutions



## LEVEL

### CONTINUOUS LEVEL MEASUREMENT

- Guided Wave Radar
- Magnetic Level Indicator (MLI)/Bridle
- Magnetostrictive
- Nuclear (Radiation Based)
- Nuclear Source Disposal/RSO Training
- Radar (Pulse Burst)
- Remote Seals
- RF Capacitance
- Training
- Ultrasonic (Non-Contact)

### DENSITY LEVEL MEASUREMENT

#### DISPLACER LEVEL

- Displacer Controllers
- Displacer Switches
- Displacer Transmitters

#### LEVEL SWITCHES

- Displacer Switches
- External Cage Switches
- Float Level Switches
- Thermal Dispersion Switches

### MAGNETIC LEVEL INDICATOR (MLI)/BRIDLE

- Aurora ®
- Magnetic Level Indicator
- Magnetostrictive

### POINT LEVEL MEASUREMENT

- Nuclear (Radiation Based)
- Ultrasonic (Contact)
- Vibration Level



## MOISTURE

- Aluminum Oxide
- Calibration
- Chilled Mirror
- Dew Point
- Microwave
- Percentage In Solids
- Quartz Crystal
- Relative Humidity
- Sample Systems
- Trace ppm/ppb
- Training
- Tunable Diode Laser





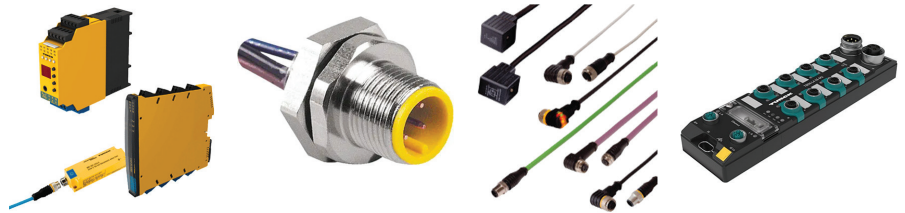
## PRESSURE

- Absolute Pressure
- Analog & Digital Pressure Gauges
- Differential Pressure
- Draft Pressure
- Gauge Pressure
- Hammer Union Pressure Transducers
- Hygienic & Sanitary Pressure Transmitters
- Instrument Enclosures
- Low-Flow Pressure
- Manifolds
- Mass Flow (Multi-Variable) Pressure
- Multi-Sensing
- Pressure Transducers
- Submersible Pressure Transducers



## SENSORS, FIELDBUS AND CONNECTIVITY

- Automation Sensors
- Custom Cordset/Harness Fab
- Custom Overmolded Cabling
- Ethernet Switches/Junctions
- Hazardous Area Barriers
- HMI/PLCS
- Remote I/O
- RFID



## SIGNAL CONDITIONING & ISOLATION

- AC Power Transducers & Monitors
- Displays & Enclosures
- Functional Safety
- HART/Modbus Signal Converters
- I/P Converters
- Isolators & Converters
- Limit Alarm Trips
- Remote I/O



## TEMPERATURE

- Field Wireless - ISA 100
- Flexible Temperature Transmitters
- Ready To Install Assemblies
- Remote I/O For Temperature
- RTDs/Thermocouples/Thermowells
- Temperature Sensors and Transmitters



## VALVES

- Actuators
- AWWA Valves
- Ball Valves
- Basket Strainers
- Butterfly Valves
- Check Valves
- Control Valves
- Cryogenic Valves
- Gate Valves
- Globe Valves
- Limit Switches
- Manifold Valves
- Needle Valves
- Plug Valves
- Positioners
- Sanitary Valves
- Solenoid Valves
- Worm Gear Operators



## WIRELESS & TELEMETRY

- C1D1 Solar
- Custom Automation
- Custom Cloud SCADA
- Field Monitor Display
- Hazardous Location
- Wireless and Telemetry Accessories
- Wireless I/O
- Wireless Sensors & Networks





# LEVERAGE THE TECHSTAR DIFFERENCE

When it comes to process control equipment, there are numerous options available. However, it's crucial to remember that not all equipment or providers are created equal. At TechStar, we believe it's imperative to partner with a Total Solution Provider who can surpass your expectations. When you choose TechStar, you can trust that you are partnering with a team with extensive industry experience, abundant resources, and exceptional support.

**Leverage the TechStar Difference to Fully Optimize Your People and Your Process.**



## SOLUTIONS

- For Any Application
- One Purchase Order
- Subject Matter Experts



## SERVICE

- 24/7/365
- Local Technicians
- Any Manufacturer



## TRAINING

- Technology Theory
- Custom Curriculum
- THE UNIT

## LET'S GET YOU STARTED



Contact Your Local  
TechStar Subject Matter Expert Now



**THE UNIT**  
FUNCTIONAL VERIFICATION UNIT

Having issues in production  
you need to work through?  
Want to test drive a solution  
for your process?

Schedule time in  
THE UNIT to mimic  
your specific process  
conditions, test,  
and troubleshoot.

