

# TRI-PHASE

## ACTUATORS

- :: Ballscrew/Leadscrew/ACME
- :: Belt Drive
- :: Linear Motor
- :: Manual
- :: Roller Screw
- :: Voicecoil
- :: Pneumatic

## BALLSCREWS/ ROLLER SCREWS

## BAR CODE READERS - 1D/2D

## BRAKES/CLUTCHES

## CABLE & CABLE CARRIERS

## CORD SETS

## COUNTERS/TIMERS

## COUPLINGS - SERVO GRADE

## DRIVES & MOTORS

- :: AC Flux Vector
- :: AC Induction
- :: AC Variable Frequency Drivers
- :: AC/DC Generators
- :: AC/DC Motors
- :: DC PWM Drivers
- :: DC Regenerative Drivers
- :: DC SCR Drivers
- :: Softstarts

## ENCLOSURES

- :: Fiberglass
- :: Stainless
- :: Steel
- :: Polycarbonate

## ENCODERS

## ENCLOSURE COOLING/HEATING

- :: Air Conditioners
- :: Air to Air Heat Exchangers
- :: Filter Fans
- :: Heaters

## ETHERNET SWITCHES

- :: Cellular
- :: Fiber
- :: Managed
- :: Routers
- :: Unmanaged
- :: Wireless

## FIELD BUS PRODUCTS

- :: Converters
- :: Network Scanners
- :: Remote I/O

## GEAR REDUCERS

- :: Planetary
- :: Spur
- :: Worm

## INDUSTRIAL COMPUTERS

## I/O PRODUCTS

- :: Data Acquisition Systems
- :: Discrete I/O
- :: Distributed I/O
- :: Signal Conditioners

## LINEAR GUIDEWAYS/BRAKES

## MODEMS, INDUSTRIAL

## MOTION CONTROL

- :: Direct Drive
- :: Frameless
- :: Gear Motors
- :: Linear Motor
- :: PC Based/Stand-Alone  
Motion Controllers
- :: Servo
- :: Stepper

## OPERATOR INTERFACES

- :: HMI Software
- :: Key Pads
- :: Message Displays
- :: Panel & Hour Meters
- :: PC Monitors, Industrial
- :: Touchscreens, Graphical

## PANEL COMPONENTS

- :: Circuit Breakers
- :: Contactors/Overloads
- :: Disconnects
- :: Manual Motor Starters
- :: Pilot Devices
- :: Power Supplies
- :: Relays
- :: Terminal Blocks

## POSITIONING SYSTEMS

- :: Screw/Belt Driven Actuators
- :: Gantry Systems
- :: Linear Motion
- :: Manual
- :: Pick n' Place
- :: Rotary

## PNEUMATICS

- :: Actuators
- :: Filters
- :: Fittings
- :: Grippers
- :: Regulators
- :: Valves
- :: Lubricators
- :: Vacuum Systems

## PROGRAMMABLE LOGIC CONTROLLERS (PLC'S)

## RF-ID SYSTEMS

## SAFETY PRODUCTS FOR MACHINERY

- :: Anti-tie Down Relays
- :: Bumper Switches
- :: Failsafe Monitoring
- :: Relays
- :: Intrinsic Safety
- :: Limit Switches
- :: Safety Interlock Switches
- :: Safety Light Curtains
- :: Perimeter Guards
- :: Safety Mats
- :: Laser Area Scanners

## SENSORS / SWITCHES

- :: Fork and Frame Sensors
- :: Laser Sensors - Measurement &  
Presence Detection
- :: Light Screens
- :: Photoelectric - Standard,  
Contrast & Color
- :: Inductive & Capacitive
- :: RF-ID Systems
- :: Ultrasonic
- :: Vision Systems

## SIGNALING DEVICES

- :: Tower Lights
- :: Downtime Monitor

## TEMPERATURE CONTROLLERS







## TRANSFORMERS


- :: Control
- :: Custom
- :: Power
- :: VFD Isolation/Filter

## VISION SYSTEMS

**TRI-PHASE**  
A U T O M A T I O N

# TRI-PHASE Product Manufacturers

	<b>Advantech</b>		<b>Meanwell</b>
	<b>Animatics</b>	<b>Panasonic</b>	<b>Panasonic Electric Works</b>
	<b>Applied Motion Products</b>		<b>Pepperl + Fuchs</b>
<b>CKD</b>	<b>CKD</b>	<b>Pro-face®</b>	<b>Pro-Face</b>
<b>COGNEX</b>	<b>Cognex</b>	<b>SCHMERSAL</b>	<b>Schmersal</b>
	<b>Danaher Motion</b> Including Kollmorgen, Superior Electric, Pacific Scientific, NEAT, MEI, G&L Motion, Deltran PT, Micron, SECO, IDC, Thomson, BS&A, Portescape	<b>SICK</b>	<b>Sick</b>
	<b>Danfoss Drives</b>	<b>SIXNET</b>	<b>Sixnet</b>
<b>EXLAR</b>	<b>Exlar</b>		<b>Stober</b>
<b>HIWIN®</b>	<b>Hiwin</b>	<b>SUNX</b>	<b>SunX</b>
		<b>WAGO®</b>	<b>Wago</b>

	<b>Aaeon</b>		<b>Linteck</b>
	<b>Elektrim</b>		<b>SPG</b>
	<b>Galil</b>		<b>Thermal Edge</b>
<b>GERWAH</b>	<b>Gerwah</b>		<b>Wittenstein (alpha)</b>
	<b>HPS</b>		

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|-------------------------------------|---------------------------|------------------------------------|
| :: Arista                           | :: HMS Anybus             | :: Rimtec                          |
| :: Beijer Electronics               | :: Indusoft               | :: RMS Technologies                |
| :: Bison                            | :: Intek Systems          | :: Saginaw Control and Engineering |
| :: CGI Inc.                         | :: Kabelschlepp           | :: Signaworks                      |
| :: Circuit Breaker Industries (CBI) | :: KB Electronics         | :: Siko                            |
| :: Cleveland Motion Control         | :: KTR                    | :: SMAC                            |
| :: Contemporary Controls            | :: Leeson Electric        | :: STM Sensors                     |
| :: Grace Engineered Products        | :: LS Industrial Systems  | :: SoftPLC Corp                    |
| :: ESA Technology                   | :: Mencom                 | :: Total Control Solutions         |
| :: EE Controls                      | :: Microscan              | :: US Automation                   |
| :: Electroid                        | :: Monitouch              | :: Western Reserve Control         |
| :: Empire Magnetics                 | :: Nippon Pulse Motor Co. | :: Yaskawa                         |
| :: EXM                              | :: Noren                  | :: Zimmer                          |
| :: Ferraz Shawmut                   | :: Primatics              |                                    |
| :: Fibox                            |                           |                                    |
| :: Finder                           |                           |                                    |
| :: Genesis Automation               |                           |                                    |

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