

Robotics Sensing Solutions

Robust, compact and customizable sensing for robot joints, actuators and autonomous mobile platforms

Helping robotics teams replace sensing complexity with robust, compact and customizable position feedback



ROBOT JOINTS
Compact axes & pivot arms

ACTUATORS
Lift, steering & grippers

AGVs / AMRs
Mobile platforms & warehouses

SIL-ORIENTED
Safety-related industrial architectures

PS2P-ARC
Play Resistant
ARC position sensor
Hall-effect

ROBOT JOINTS / PIVOT ARMS

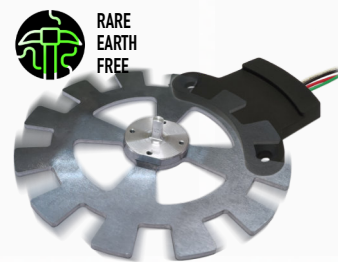
Non-contact angle feedback & compact integration



PSAI | MTS360 | PSC360 | PST360

RPS

Absolute Rotor Position Sensor



RARE EARTH FREE

ACTUATORS

Wear-free linear position feedback for harsh motion systems

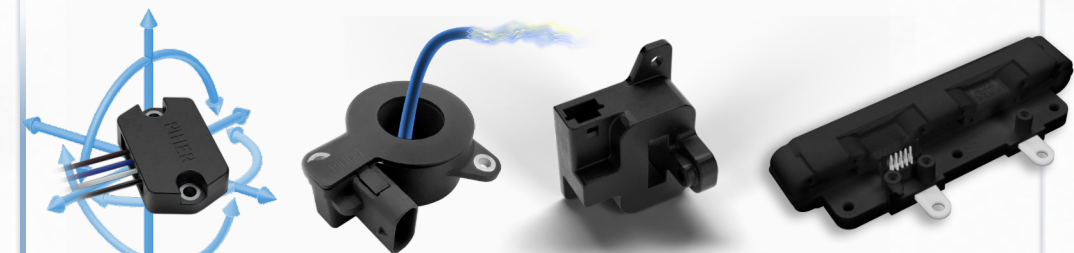


RARE EARTH FREE

PSLI | PS2P-LIN

AGVs / AMRs

Stability and current sensing for mobile robot platforms



TSDA | HCS0-1W | HCSP-1BS | HCSP-3BS



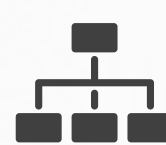
NON-CONTACTING

No wear, no friction, virtually unlimited mechanical life



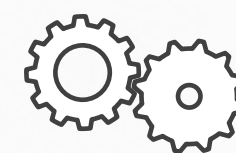
STRAY-FIELD IMMUNE

Reliable operation in harsh and electromagnetic environments



CAN AVAILABLE

Multiple output protocols including Analog, PWM, SENT, CAN



CUSTOM ASSEMBLIES

Custom mechanics, electronics and connectors to fit your envelope

WHY PIHER FOR ROBOTICS?

- 1** Design-in speed
Custom mechanics, electronics and interfaces reduce integration effort
- 2** Readiness for harsh environments
Sealed, non-contact sensing for demanding industrial duty cycles
- 3** Portfolio breadth
Angle, linear, tilt, speed/direction and current sensing for the entire robot platform
- 4** Amphenol scale
Local engineering support with global manufacturing and customer access.
- 5** Space & integration
Compact designs and flexible mounting for tight envelopes
- 6** Reliability
Non-contact, sealed solutions for dust, oil, and vibration
- 7** Cost pressure
Simpler architectures reduce mechanical, cabling and calibration costs
- 8** Safety expectations
Redundant sensing options for SIL-oriented industrial robotics architectures