



2009  
Product & Service Guide

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[www.rsainfo.com](http://www.rsainfo.com)

*“The **Right Solutions for Automation**”*  
*... Every Time*



**Why choose RSA?** Because we are experts of Electromechanical Motion, Machine Safety and Product Inspection. We've been doing automation before automation was considered *“Cool”*. Our **core product lines** are also among the best names in the industry. **We look forward to serving you.**

**Great news:**

**We now have a Parker Automation interactive demo room.**

**See inside for more information.**

**RSA Buzz Board... highlights of what we're talking about:**

- **Welcome to RSA:** The Parker Automation Center of Excellence is now open!
- Cognex releases new **In-Sight Micro** family of sensors and an HMI
- New Parker Industrial Ethernet motion control system
- Tri-Tronics sensor for the detection of clear & shiny objects
- Wago's I/O modules can even communicate with the **man on the moon**
- **New product line alert:** Industrial Ethernet switches from N-Tron

**RSA Customer Pledge:**

**Properly identify** your application requirements.

**Engineer** a cost effective and reliable solution.

Sell you the **highest quality**, competitively priced products that meet your needs.

**The RSA advantage:**  
*Over 200 man years of real world automation experience*

**RSA University**

**Our motto...“Knowledge is good”**

Advanced Cognex Training  
Product Inspection Workshop  
Cognex Easy Builder Boot Camp  
Machine Safety workshop  
Parker Automation quick starts

\* Some classes may require a fee

Our curriculum and class dates are viewable at [www.rsainfo.com](http://www.rsainfo.com)

**Need Assistance?**

Have our team of experts assist you in your project.



Hardware Start-up  
Field Service  
Programming  
Product Integration  
Panel Construction

**800-383-0025**  
[www.global-controls.us](http://www.global-controls.us)

**Parker Product Selection**

**Motor / Drive / Control**

- Food Grade Servo Motors
- Linear Motors
- PC-bus Motion Controllers
- Servo Amplifiers
- Servo Amp / Controllers
- Servo Motors
- Servo Gearmotors
- Standalone Motion Controllers
- Stepper Motors
- Stepper Drives
- Stepper Drive / Controllers

**Mechanical**

- Aluminum Modular Framing
- Belt Drive Actuators
- Cartesian Robots
- Gantry Robots
- Linear Motor Actuators
- Manually Driven Stages
- Minature Linear Stages
- Precision Gearheads
- Precision Screw Drive Actuators
- Rotary Positioners

**HMI**

- Color Touch Screens
- Development Software
- Industrial Computers
- Monitors

**Parker Brand Profile**

**Actuator**

- Electro Thrust Cylinders,
- Electric Rodless Actuators

**Bayside**

- Precision Gearheads, Servo Gearmotors, positioning Systems, Cartesian Robots

**Compumotor**

- Stepper and Servo Motor Systems, Linear Motors & Motion Controllers

**CTC**

- Industrial PC Man-to-Machine Interfaces, Monitors & Software

**Daedal**

- Manual & Motorized Positioning Systems, Linear Motor Actuators Cartesian & Gantry Robots

**IPS**

- Aluminum Modular Framing Systems provided in bulk, kit form or fully assembled

**Trilogy**

- Linear Motors & Linear Motor Actuators

**Actuator    Bayside    Compumotor    CTC    Daedal    IPS    Trilogy**



anything **Parker** Possible.



**It's new and you're invited!**

Come see Parker Automation's newest and best technologies running live. RSA is now the proud home of the very first **Parker Automation Center of Excellence**, also known as PACE.

**Need Help?**

*We know where the jewels are located.*

**Let us assist you in your selection.**

See Parker on line at:  
[www.parkermotion.com](http://www.parkermotion.com)

**Need Programing?**

*We can provide complete software programing.*

**RSA buzz board... what we're talking about:**

- CTC Xpress HMI ... web publisher, software included
- Industrial Ethernet motion control system saves money
- U.S. made servo systems that beat Pacific Rim pricing
- Linear actuator with a top speed of 10 meters per second
- HMI with *complete* FDA **21CFR11** compliance
- **Aries CE....** Servo amp, controller and ladder I/O in **one box!**
- **XFC** roller screw actuator produces 40,000 lbs of force

**Parker can build you a complete system... a very complete system**



**Motor / Drive / Control**  
 AC Drives  
 AC Motors  
 AC Gearmotors  
 DC Motors  
 DC Drives  
 Motion Controllers  
 Stepper Motors  
 Stepper Drives  
 Stepper Drive / Controllers  
 Servo Amplifiers  
 Servo Amp / Controllers  
 Servo Motors  
 Servo Gearmotors



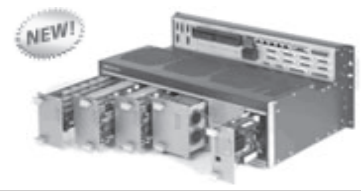
**Lenze**  
 AC Motors & Gearmotors,  
 Servo Motors and Drives

**LEESON**  
 AC & DC Motors, Drives,  
 Gearmotors & Gear Reducers

**ACS MotionControl**  
*Your Competitive Advantage*  
 Standalone & PC-bus  
 Motion Controllers

**ABB**  
 Vector & Direct Torque  
 Control Drives up to  
 25,000 HP

**IMS™ INTELLIGENT MOTION  
 SYSTEMS, INC.**  
*Hardware in Motion™*  
 Step Motors & Drives,  
 Integrated Drive/Motors



**Mechanical**  
 Brakes & Clutches  
 Ball Screws  
 Constant Speed Reducers  
 Linear Guides  
 Magnetic Safety Couplings  
 Manual Positioners  
 Monocarriers & Rails  
 Precision Gearheads  
 Precision Screw Drive Actuators  
 Precision Servo Couplings  
 Power Transmission Gearboxes

**Lenze**  
 Brakes, Clutches & Gearboxes  
 up to 125K LB-IN/60 HP

**STOBER**  
 Precision & Planetary Gearheads,  
 Constant Speed Reducers



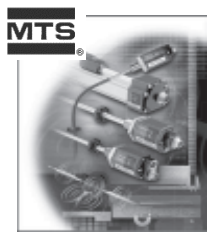
**GERWAH™**  
 Precision Servo, Safety  
 & Magnetic Couplings

**NSK**  
 Linear Guides, Ball Screws  
 & Monocarriers



**Nabtesco**  
 Ultra High Precision Two Stage  
 Cycloidal Gearboxes

**Position Feedback**  
 Absolute Encoders  
 Incremental Encoders  
 Handwheels  
 Optical & Angle Encoders  
 Magnetic Rotary Encoders  
 Magnetic Linear Sensors  
 Position Indicators



**MTS**  
 Temposonics Brand Absolute  
 Linear Positioning Sensors

**Dynapar**  
 Absolute & Incremental  
 Industrial Grade Encoders

**RENISHAW**  
*apply innovation™*  
 Optical Linear & Angle Encoders,  
 Analog, Incremental & Absolute  
 Magnetic Rotary Encoders

**SIKO**  
 Magnetic Linear Encoders,  
 Displays, Mechanical & Digital  
 Position Indicators, Handwheels



**Electrical Panel Components**

**ABB**  
 Operator Devices & Panel  
 Products

**GRACE ENGINEERED PRODUCTS, INC.**  
 ThruView Programming  
 & Data Ports

**HAMMOND MANUFACTURING**  
 Industrial, Disconnect and  
 Modular Freestanding Enclosures

**NETRON** **NEW!**  
 Industrial Ethernet, Fiber Optic  
 Switches & Cables

**Continental Industries, Inc.**  
 Solid State Relays and  
 Miniature I/O Modules

**WAGO**  
 Wiring Management, Panel  
 Products, Industrial I/O

**HMI / Digital Display**

**ESA TECHNOLOGY**  
 Text & Graphic Terminals,  
 Touch Screens and Industrial  
 Computers

**DANAHER INDUSTRIAL CONTROLS**  
 Panel Displays. Process &  
 Temperature Indicators. Timers,  
 Counters & Rate Meters

**RSA buzz board... what we're talking about:**

- **Lenze 940** Servo Positioner now has development on board
- **EthernetIP** now available on AC & Servo Drives!
- Servo **Gearmotor** new from Stober.
- **NSK BSS** family of ball screws is faster than a linear motor!
- Nabtesco gearing - robot quality at power transmission prices
- New rack style motion control system from ACS: **MC4U**

*Our Sensor & Vision lab has a welcome mat out and is open for your use*

RSA is proud to represent three of the industry's finest product lines for inspection, detection and machine vision.



We look forward to solving your most challenging sensor applications with our "best in class" products.

- RSA buzz board... what we're talking about:**
- STI gains all of Omron's safety products and **new name!**
  - Tri-Tronics UV sensors now have analog outputs
  - Cognex **Checker 252** now has measurement tools
  - Clear & shiny product sensor... *ours actually works*
  - Complete Cognex In-Sight Micro sensor for **under \$3K**
  - Tri-Tronics now offers **high speed registration** mark sensor

**Inspection & Detection**  
 Configurable Photo Sensors  
 Control Modules  
 Fiber Optic Light Guides  
 IR Fluorescence Sensor  
 Inductive Prox Sensors  
 Label Detection Sensors  
 Low Cost Auto-set Sensor  
 Registration Mark Sensors  
 UV Detection Sensors  
 Ultrasonic Sensors

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**Our configurable sensors rule! Ask for details on what our unique sensors can do.**



**XPC... The world's first sensor with built-in communication!**



**Label & Registration Detectors**

**UV Sensors**  
 Digital & Analog models  
 up to 24 inch range



**Clear / Shiny Object Sensor that works perfectly**



**If we can't solve it, lunch is on us!**

**Vision Sensors**  
 Presence/Absence Sensors  
 General Purpose Sensors  
 High Resolution Sensors  
 Color Sensors  
 OCV/OCR Fixed Mount  
 OCV/OCR Hand Held  
 Line Scan Sensors  
 Lighting & Optics  
 HMI Interfaces

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See RSA University curriculum for Cognex workshop and class dates.  
[www.rsainfo.com](http://www.rsainfo.com)



**Multi Tasking**  
 Presence / Absence



**Starts @ \$995**

**General Purpose**



**Fixed Mount & Hand Held**  
 OCV/OCR



**Starts @ \$795**

**High Performance**



**HMI / Sensor Interface**



**RSA Full Service Integration**

**Hardware | Programming | Electrical Enclosure**

*The large breath of products offered by OSTI allows us to solve almost any application*

**Machine Safeguarding**  
 Aluminum Hard Guarding  
 Contact Strips & Bumpers  
 Hydraulic Press Brake Guarding  
 Intrinsically Safe Barriers  
 Laser Safety Scanner  
 Safety Interlock Switches  
 Safety Light Curtains  
 Safety Mats  
 Safety Monitoring Relays  
 Two Hand Controls

**Services**  
 Professional Risk Assessments  
 Hardware Installation



**Got Safety ? We do.**

RSA is a certified OSTI Automation Safety Partner and has qualified staff who can assist you in making the **correct** hardware selection.