

---

All of us here at Insight Automation are proud and excited to welcome you to Event 2011. We have a lot to share with you, including some remarkable innovations we believe are game-changers for our industry. As you tour our facility and experience these innovations, we think you will agree.

We hope your visit is both informative and fun, and if we can do anything to make it more so, please don't hesitate to ask.



SCAN FOR  
MORE INFO

Insight is pleased to display our ConveyLinx® software, EZ Roll™. EZ Roll™ is the perfect software to assist you with specific conveying adjustments such as motor type and speed, braking, releasing functions, acceleration and deceleration. All of this can be done while you are mobile as well! Imagine being able to accomplish this from your PC, phone, or iPad. Mobile support for Android users will be coming soon. You don't need to be tied down to a PC to enhance productivity.

- Simple configuration software for fast commissioning
- On-screen diagnostics for fast troubleshooting
- Intuitive design makes for a fast learning curve

---



---



---



---



SCAN FOR  
MORE INFO

With this demonstration, Insight will show you our latest innovative motor roller tool for the material-handling market. With the magical press of a button, ConveyLinx® will drive your motor roller and provide you with ZPA (Zero Pressure Accumulation).

If you choose to connect ConveyLinx® to a compatible PLC Controller, the module can be used to gain control over specific I/O options such as accumulation, tracking, speeds, faults and much more.

When a PC is connected to ConveyLinx® utilizing a compatible PLC controller (EthernetIP or Modbus TCP) it can gain control over the ConveyLinx® loop for routing. With ConveyLinx® it can be a simple ZPA system or a complex sortation and routing control. It's up to you!

- Full Zero Pressure Accumulation with a press of a button. Easy!
- Peer-to-Peer - each card knows their job and their neighbors'. Smart!
- PC and PLC connectivity for specific I/O or routing control. Flexible!

---



---



---



---



SCAN FOR  
MORE INFO

Suppose you have ConveyLinx® setup in your pick module and sorter area, but now you need a way to stop the conveyor in the pick module. ConveyStop™ was designed to give you the ability to stop certain conveyor groups. So, if you have to stop your Pick Module you don't have to shut down the shipping module.

- Configurable
- Simple setup
- Unlimited groups

---

---

---

---



SCAN FOR  
MORE INFO

Wouldn't you love to reduce the installation time and cost of your conveyor? What about reducing the cost and design time of the hardware? Would you like to do away with the cost and installation of conduit? Let us show you how with ConveyNet® IP! With 8 inputs and 6 outputs, installation of this card gains you control over right angle transfers, stack lights, pushers, or any I/O you may need. A single card or an entire network of cards can be connected with a single Ethernet cable to a PLC, no more miles of wires from a centralized panel located on the other side of your facility!

- Reduces cost of installation, hardware and conduit
- Integrates seamlessly with ConveyLinx® and ConveyBlox®
- EthernetIP or ModbusTCP Distributed I/O

---

---

---

---



SCAN FOR  
MORE INFO

Insight Automation is not just DC Motor Rollers and Controls. We know some applications require AC variable-speed drives and motors. That's why we took our standard ConveyNet® IP card and added a RS485 port. Just mount your inexpensive VFD with RS485 capabilities (PowerFlex 4) near the motor and you've created a Motor Drive with 8 inputs and 6 outputs for the wide range of devices near your motor.

Imagine a six lane sortation system with MDR upstream and downstream and an AC Motor running the sorter belt. Now use an Insight Automation solution with complete visibility and control of the MDR upstream and downstream utilizing ConveyLinx® and ConveyNet® IP to control the Sorter VFD and all the I/O on the Sorter Belt. Best of all, this can all be controlled with just one Ethernet wire back to the PLC.

- Integrates seamlessly with ConveyLinx® and ConveyBlox®
- Distributed I/O
- Connect up to 5 VFD's to gain control.

---



---



---



---



SCAN FOR  
MORE INFO

We put ConveyLinx® on wheels for easy transport to trade shows, research and development, or loaning to a customer for testing purposes. Let us know if you're interested in seeing us show off our motorized drive roller tools. On this conveyor we've installed ConveyLinx®, ConveyNet® IP, SE2, MDR|Power® and an AB CompactLogics PLC to showcase our full range of products.

- Quickly begin testing and researching our products
- Try before you buy so you understand a product's capabilities

---



---



---



---



SCAN FOR  
MORE INFO

Let Insight explain our newest addition to a great line of products. ConveyBlox® has the same wonderful features as ConveyLinx®, without the ability to drive a motor roller. It is a ZPA logic-only module that will provide a 24VDC output so you can turn on a solenoid, motor starter, or VFD.

- Full air-zone pressure accumulation with a press of a button. Easy!
- Peer-to-Peer - each card knows their job and their neighbors'. Smart!
- PC and PLC connectivity for specific I/O or routing control. Flexible!
- ZPA Function with pallet rollers, solenoids, motor starters, or VFD's

---

---

---

---



SCAN FOR  
MORE INFO

ConveyTrax® is a system using several key Insight components to provide you with a complete motor roller control system, without the use of a PLC. Use RollOn™ to draw your conveyor system layout, then drag and drop each module to the corresponding conveyor section. Download your conveyor layout to get a commissioned MDR System without any programming! Insight's 4 Zone card will control up to four motor rollers and control numerous conveyor configurations, such as linear conveyor, right angle transfer, merges, diverters, flanking conveyors, and over 30 more other conveyor types.

- Great for companies who have multiple sites with the same conveyors
- CRSC controls up to 4 motor rollers
- Simplifies engineering, commissioning, installation and maintenance
- Extraordinary diagnostic capabilities

---

---

---

---



SCAN FOR  
MORE INFO

Cruise Control is a feature of our ConveyLinx® and EZ-24 modules that automatically adjusts current to maintain your desired speed. Regardless of the incline/decline pitch, or the varying weight of the packages being conveyed, your product will maintain the speed you set within the specified limits of the roller.

- Maintain speed
- Maintain through-put
- Maintain a consistent gap

---



---



---



---



SCAN FOR  
MORE INFO

Our goal is to provide you with innovative tools. Here is a brief glance into the products we have developed.

**1. MDR|Power®**

Power supplies with many different options (120VAC, 480VAC, 10A, 20A, and 40A) for your low voltage conveyor.

**2. ConveyNet® IP**

Distributed I/O can be mounted near your devices on the conveyor to save on installation and maintenance cost, with ConveyNet® and ConveyNet® IP in one enclosure.

**3. ConveySense®**

An economical alternative to other manufacturers' sensors, with a photo-eye, bracket, reflector, at a cost similar to their sensor alone.

**4. SE-3- RJ12**

Connectors are perfect for a quick ConveyLinx® installation, but when you need easy access to digital input or output, use our SE-2 to break-out the control port connector to terminals.

---



---



---



---



SCAN FOR  
MORE INFO

### 5. EZ-24

Sometimes you need to run a motor roller with no tricks. Use our EZ-24 to do just that. But, know that even the EZ-24 has a few tricks hidden up its sleeve.

### 6. Extension and Power Cables

These cables keep you from having to make them yourself. An extension cable is used to lengthen the standard motor roller cable. Our power distribution cables use connectors rated for 20-amps to make everything on your system “Plug and Play”

### 7. ConveyNet®

Our first product offering. We continually use ConveyNet® today in many of our products. We understand that for conventional control you need a way to cut the cost of installation and engineering. We pre-engineered ConveyNet® Motor Controls and Distributed I/O. It can connect to a PLC with many different types of networks.

---

---

---

---



SCAN FOR  
MORE INFO

Did you know that most electronics use heatsinks to turn your valuable and costly energy into wasted heat dissipated into the environment? Similar to recycling, Pulse® Roller, ConveyLinx®, and EZ-24 give you the ability to reuse that extra energy. Whenever over-speeding of the roller occurs due to gravity or the weight being conveyed, the generated energy from the 24VDC brushless DC motor is transferred back onto the 24VDC Power Buss. This excess energy can then be used by the other motors or devices. This industry breaking technology could translate into significant electricity savings for your company!

- Energy savings
- Power supply load reduction

---

---

---

---



SCAN FOR  
MORE INFO

Electronic gearing is being displayed to show our capabilities in monitoring the feedback from the motor. The control knows the exact position of the roller, so features such as Dynamic Braking and Cruise Control work effectively.

---

---

---

---



SCAN FOR  
MORE INFO

Typically the momentum of a load pushes a box a little farther than where it is really intended to stop. With Insight's Dynamic Braking, the roller counteracts the momentum and internally adjusts the roller so the stopping point is right where you want it to be.

- Constant torque on roller in stopped state
- No overtravel
- Maintain a consistent gap

---

---

---

---



SCAN FOR  
MORE INFO

Senergy™ was created with “savings” in mind. Savings for energy, savings for space, savings for time, and savings for silence. Senergy™ is a new product line for Pulse® Roller that will allow you to standardize on one part number to decrease your inventory space. This is because Senergy’s™ torque ranges across our entire current Pulse® Roller (28, 35, 50 Watt) product line. Pulse® Roller’s new gearbox design ratio has made it possible to give you even more torque, consume even less energy, and keep your warehouse quieter than ever before. Specify your Senergy™ roller today and never have to specify a roller again; regardless of the project, type of conveyor, the weight or speed of the load!

- One Senergy™ motor covers all MDR applications
- Quietest roller on the market
- Savings in energy, cash, space and sound

---

---

---

---

Insight Automation has mastered a zero pressure accumulation system utilizing MDR’s without the gaps between accumulated products, and without the use of sensors! Your company has the ability to increase their profit per foot of conveyor – less conveyor and more product!

- Eliminates gaps between product, thereby increasing profitability
- No sensors needed, saving installation time and product cost
- Touch and Go Starting

---

---

---

---



SCAN FOR  
MORE INFO

Insight is pleased to offer you a pallet roller that conveys over 2000 lbs. with a single, low-voltage roller. Our heavy-duty roller has logged over a million testing cycles, and will last for years at your facility. Or use our one-of-a-kind Dual-Drive motor rollers to double the amount of torque.

- Safer
- Simple installation
- Simple maintenance

---



---



---



---



SCAN FOR  
MORE INFO

Did you know we offer controls and rollers for special applications? Does your facility have a need for a freezer application? What about an application that requires you to spray your conveyor off every night? We have a large range of “special” roller types available. Next time you’re in the freezer, remember Pulse® Roller has the tools!

- Freezer, wash down IP65 and IP55 rollers
- 1.5” stainless, coatings, laggings, sprockets
- Micro V, Vpulleys, timing belts, keyway
- Customized materials upon request

---



---



---



---



SCAN FOR  
MORE INFO

Watch Pulse® Roller's employees hard at work filling your orders in the motor roller manufacturing facility. Depending on the product mix, this facility has the capability of producing two to three hundred rollers on any given day. With the convenience of having the facility right next door, we can typically have your completed order to you in a couple of days!

- Fast deliveries
- Assembled in the U.S.A.
- Decrease your delivery cost compared to overseas shipping

---

---

---

---