

Wintriss ShopFloorConnect Production Data Collection, OEE Monitoring System and Scheduler

Wintriss ShopFloorConnect (SFC) software is designed to collect and organize production data from the shop floor. It eliminates the three common problems with manually collected data: untimeliness, inaccuracy, and bias. Good measurements are the basis for making improvements.



ShopFloorConnect includes real time OEE monitoring software and production monitoring controls that allow automatic production data collection from your power presses,

molding machines, welders, press brakes, lasers, turret presses, grinders, CNC machines, and all types of production machines and work cells. The software formats the production data in an easy to use database and reporting generator – allowing you to determine overall equipment effectiveness (OEE) based on “an ideal production rate for each machine/process”.

ShopFloorConnect provides detailed reports of uptime, downtime, downtime causes, and production rates. Gain an understanding of what your machines are doing – are they down, if so, how long – producing good parts or bad? SFC works with the Wintriss SmartPAC® press automation controls or the SFC Machine Interface which can be applied to most machine types. Existing users that have multiple machines connected to SFC report valuable benefits:

- SFC helped determine which jobs needed re-quoting

(based on efficiency vs the standard rate)

- Reduced tool maintenance-related downtime by 25% by accurately tracking hits and maintaining the dies before they got too worn.
- Improved employee training by tracking efficiency by operator.
- Justified new equipment purchase based on ROI from reduced downtime
- Customer utilized downtime reports to find that coil change consumed sixty hours per week. As a result a full time junior setup person was assigned to assist with coil changes which reduced coil change downtime by 66%
- Customer held weekly meetings to go over the “Top Ten” downtime list generated by SFC and identify recurring problems. “Waiting for QC” was a big source of downtime, so the customer modified their procedures to allow the operators to do more QC at the machine. Additionally they were able to identify tools that needed to be redesigned, and operators that required additional training
- Customer with >60 machines connected to SFC reports 110% increase in uptime performance after implementation of SFC.
- See more information at our website <http://www.production-resources.com/wintriss-line-efficiency-tracking-software/>.

New Brochure available for COE Press Equipment Coil Handling and Feeding Equipment

Find the coil processing capability you are looking for in COE Press Equipment's new 24-page, full-color, full-line catalog that covers the full range of COE's capability. Each spread focuses on a coil-feeding system or a machine type with large images that clearly convey the unique aspects of COE's equipment. Additionally, equipment specifications are included to provide an overview of capability in terms of thickness, widths and weights. Applications covered include:

- | | |
|-----------------------------|-----------------------|
| • Conventional Coil Lines | • Power Straighteners |
| • Compact Coil Lines | • Coil Reels |
| • Cut-to-Length Lines | • Shear Technology |
| • Transfer Press Feed Lines | • Stacker Technology |
| • Space Saving Lines | • Tailout Technology |
| • Servo Roll Feeds | • Controls Technology |



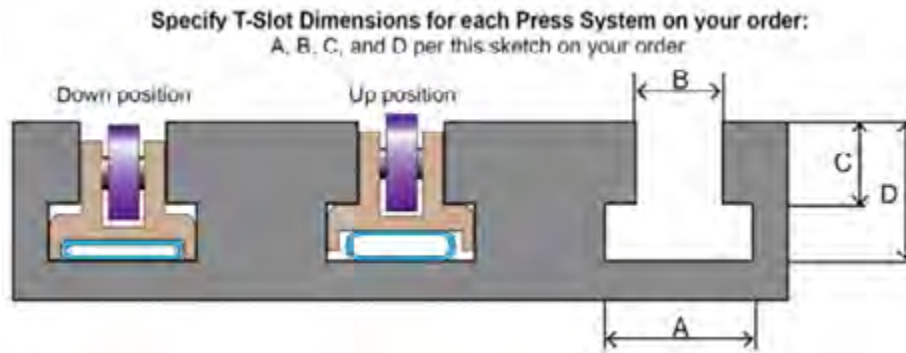
Contact your PRI Application Engineer to get your hard copy or e-mailed pdf version.

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Green Valley Pneumatic Die Lifters For Quick Die Change

Green Valley Manufacturing, Inc. has developed a standard line of Pneumatic Die lifters for stamping, and vertical molding presses. These die lifters enable the tool to be elevated above the press bed surface on rollers for easy transfer to/from the press. The pneumatic operation ensures a clean application without any of the oil concerns and expense associated with hydraulic units. The systems are economical and simple to install and operate.

These die lifters are available for standard ¾" and 1" t-slot die lifters; however, all lifters are cut to length and made to order based on the end user's specific t-slot dimensions. Many times a bolster has been machined down (resurfaced) and the t-slot is shallower. The dimensions needed are shown on the sketch.



New From Pax Products

Pax Free Standing, Powered, Spray Cabinet for Steel Blank Lubrication

The Pax cabinet features:

- Powered pinch roll for driving the blank through the cabinet.
- Non powered roller entrance and an exit tables for the blanks to rest on.
- Nozzles that spray the top and bottom of the blank as it passes through cabinet.
- Optional: wheels to allow movement from location to location
- Multiple reservoirs to make it easy to switch from one lubricant to another
- Customized as required for a specific application.

System Operation:

- When the system is switched to on, it will remain idle until the blank or some other item passes below the sensor located on the front of the cabinet.
- When the sensor is triggered, the system's drive roll(s) will begin to turn and the nozzles inside the cabinet will begin to spray at the set cycle rate (drive roller speed and spray cycle rate are adjustable).
- Sprayed lubrication that collects in the bottom of the cabinet will drain (by gravity) back to one of the system reservoirs.

A pre-set time after the blank has been fed past the sensor, the drive roll and spray lubrication will stop.



New From Pax Products (continued)

HP Piston Style Nozzle for Pax Lube Systems

This optional nozzle can spray 3–4 times higher viscosity lubricants than the typical high pressure nozzle. While this nozzle is recommended for lubricants with higher viscosities, it can be used with lower viscosity lubricants as well. In place of the check valve/strainer that is in the standard nozzles, this nozzle has a spring actuated piston built into the nozzle body. This nozzle requires the customer to use either hard nylon or steel spray lines.



Heavy Duty in HD19-IDB or QDP-IDB die sensor interconnection box from Production Resources



This die mounted sensor interconnection accessory is used in conjunction with a Wintriss DSI sensor interface. This allows quick and reliable sensor connection to Wintriss die protection systems at set up. Die protection sensors are wired directly to the IDB. A single cable connects the IDB to the Wintriss DSI. A maximum of eight sensors can wire directly to it. The terminal block on the inside features a removable connector for easy sensor wiring. External mating connector can be selected for a Wintriss HD19 or QDP cable which provides connection to a Wintriss DSI2 sensor interface. The cover plate is provided with a urethane rope gasket to protect the wiring from oil. Each end is fitted with a multi conductor cable grip designed to accommodate up to four 4 mm diameter sensor cables. Unused holes may be plugged. Order part # HD19-IDB.

QDP 12 pin version of the interconnection box is also available with lighter duty connector. Compatible with QDP cables. Order part # QDP-IDB.



Dorner Conveyors Introduces New Smartflex™ •Multi-Flex / Table Top Chain Conveyor

- Aluminum Single Piece frame
- Very tight corners
- Narrow widths
- Commonly know as “Flexlinkstyle”
- Short lead times
- Complete conveyors—not a kit of parts



Typical Applications:

Assembly Automation
Industrial
Packaging
Food

Features:

Elevation Changes: Inclines/declines & wedge configurations – 5 to 30 degrees

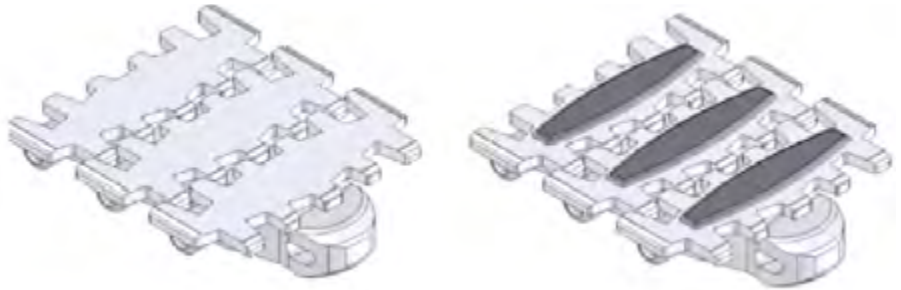
Multiple corners – 4+ with short curves possible

Widths: 2.6” (65 mm), 4.1” (105 mm), 5.9” (150 mm)

Catenary end drives and end drives with weighted takeups

Variety of chain configurations including: low friction, friction insert, conductive, cleated, roller top, and magnetic top

Chain is full conveyor width less 2 mm
 Speeds: ≤ 200 fpm
 Loads: up to 300 pounds
 Side mount 90° rotatable gear motor
 Power and roller transfers



We can also help you with all Dorner belted series conveyors, including quick quotes for standard conveyors and parts. Popular models include 2200, 3200, 4200 and 6200 series low profile belted conveyors and LPZ adjustable angle conveyors. Model 7200 and higher series wash down conveyors for clean room and food applications are also available.

PRI also handles:
 Steel Hinge Belt Conveyors
 Shaker Conveyors

Magnetic belted and beltless conveyors
 Telescoping – extendable conveyors

Call your Application Engineer listed on the last page of this newsletter to discuss your needs.

New PRI Applications Engineer

We're pleased to announce that Bruce Mattioda has joined PRI and will be covering accounts previously handled by Terry Bolser. Bruce's territory includes Central/Southern Ohio and most of Kentucky. Bruce works out of Westerville (Columbus suburb). Bruce has extensive experience with fabricating and powdered metal and has the support of Chris Jones and all our principals to help him with our press room, conveying, and safety equipment. Bruce's contact information is listed with our other Application Engineers.

Visit our website:
www.production-resources.com

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FYI

Additional technical information is available at no charge on our website: www.production-resources.com. Just click on "Technical Resources."

Production Resources has Application Engineers available to help you at your facility. We can be reached at:

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