PRODUCTION RESOURCES INCORPORATED

NEWS

"Make Die Crashes a Thing of the Past"

One-Day Die Protection Clinic

Sponsored by Wintriss Controls & Production Resources

Wednesday, September 12, 2018—Embassy Suites, Franklin, TN

Clinic leader: Jim Finnerty, Nationally Recognized Die Protection Expert

Cost: $125 per attendee which includes Die Protection Handbook, continental breakfast, and lunch

Ask your Application Engineer for Clinic & Registration Details or call Becky Parkey at 800-863-3164.

Interested in a Die Protection Clinic nearer your location? Discuss with your PRI Application Engineer.

Wintriss Shop Floor Connect News

New Downtime Tracking Software Savings Calculator

https://www.wintriss.com/sfc/downtime-tracking-software-ROI.html

Anticipated Machine Downtime Reduction Effort

The main purpose of ShopFloorConnect is to identify the sources of inefficiency, especially machine downtime.

The amount of money you will save over time by implementing ShopFloorConnect will depend in large part on how aggressively you intend to work at reducing machine downtime.

On our "Savings Calculator" page, there is an "Anticipated Downtime Reduction Effort" pull-down selection with four options. The options, and their impact on the savings calculation, are described below:

- ***Minimal***—A Minimal downtime reduction effort does not involve any direct machine downtime tracking; instead, it typically consists of nothing more than notifying the machine operators that ShopFloorConnect tracking software has been implemented, and deploying one or two large-format displays to show the uptime status of your machines in real time for everyone to see (using ShopFloorConnect's Factory Viewer Equipment Summary). Our experience has shown that such an implementation usually results in a 5% reduction in machine downtime. In other words, if your current machine utilization is 60%, then your machine downtime is 40%. A 5% reduction will bring it down to 38%. This 5% reduction in downtime will be used to calculate the savings.
- ***Moderate***—When "Moderate" is selected, we base the calculation on a 10% reduction of your current machine downtime. So, if your current machine utilization is 65% uptime/35% downtime, a Moderate Downtime Reduction effort will cause a downtime decrease of 3.5% (10% of 35), reducing downtime from 35% to 31.5% and increasing machine utilization percentage from 65% to 68.5%. Such an increase is easily realized when operators use the ShopFloorConnect Machine Interface machine downtime tracking menu to identify the real

(continued)

Wintriss New Downtime Tracking Software Savings Calculator (continued)

reasons for downtime, and you begin to pick off some of the "low-hanging fruit" on the less efficient machines. In addition, real-time displays such as ShopFloorConnect's Performance Summary allow personnel to quickly spot under-performing machines, enabling more timely corrective action.

- ***Focused***—When "Focused" is selected, we base our savings calculation on a 15% reduction of the current downtime. Typical downtime reduction efforts in a "focused" program are the same principles described under the "moderate" program, but with more stringent and widespread application throughout the factory.
- ***Aggressive***—For an Aggressive program, we base our saving calculation on a 20% reduction in the current downtime. So if your machine utilization is currently at 60%, an aggressive approach to machine downtime reduction can increase that to 68%. This is accomplished with a full application of ShopFloorConnect's downtime tracking and reporting functions, real time displays, and the Alert feature to immediately notify the appropriate personnel each time a machine stops for a prolonged period of time.

Coe Press Equipment—Straightener for AHSS Materials

Straightening materials with yield strengths of more than 1,000 MPa requires greater forces than for those with lower strengths and, therefore, a significantly different straightener design to provide sufficient roll support. In addition, the straighteners require gear train reliability because the roll force delivery needed to feed AHSS causes roll deflection, which, in turn, causes gear wear and the journal ends to snap.

New Straightener-Feeder Design

A new generation of heavy-duty straighteners have been designed with significant design modifications to the straightener heads for better processing of AHSS materials. These straighteners also are designed to process a wider variety of materials—both thick and thin—than conventional straighteners used in the metal stamping industry.

Whereas conventional straighteners typically incorporate a series of 7–11 large-diameter work rolls, the new generation of heavy-duty straighteners have borrowed innovations from precision straightener technology by incorporating a series of relatively small-diameter work rolls.

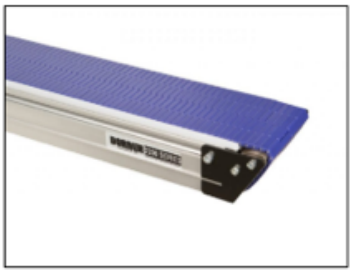
Other design enhancements include high-strength construction frame materials, tighter straightener roll spacing, and increased roll depth penetration. The new straightener heads also are equipped with increased roll force delivery, stronger gears and bearings, and an improved straightener roller backup mechanism to provide the rigidity needed to process AHSS materials effectively. This technology has produced repeatable blanks with flatness of +/- .00035 over 18 square inches.

Read article: https://www.thefabricator.com/article/stamping/when-flat-is-where-it-s-at-

Dorner's Commitment to Continuous Improvement Shown by Becoming ISO 9001:2015 Certified

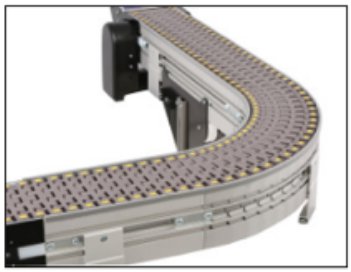
Metal Working Conveyors

2200 Belted Conveyors



2200 Modular Belt Conveyors

3200 Belted Conveyors



3200 Modular Belt Conveyors

Need a quote on a new Dorner Conveyor? We can provide a pdf drawing as well. Contact your Application Engineer. For Dorner parts, contact Becky Parkey or Jake Jones at 800-863-3164.

Linear Transfer Automation Front to Back and Through the Window Press Transfer Systems

Linear Transfer Automation is a leading manufacturer of transfer automation, de-stackers, loaders, and press to press automation. Through sophisticated technology and constant innovation we strive to deliver flawless transfer systems.

See Article — Keys to Success When Launching a Transfer Job: https://www.linkedin.com/pulse/keys-success-when-launching-transfer-job-paul-stirrett/

See Article — Diemaker builds field of dreams with large transfer press system: Now runs rings around competition: https://www.thefabricator.com/article/stamping/diemaker-builds-field-of-dreams-with-large-transfer-press-system

Learn more about Linear: https://youtu.be/sxtLR9dA4wU video clip.

Need a high tonnage press like the Eagle press depicted above? Call your Application Engineer for more information on an Eagle Press designed and built to your exact requirements.

Sutherland Presses Available for Quick Delivery

SP2-440 TON
10" Stroke, 24" Die Height
10" Slide Adjustment, 20-40 SPM, 120" x 60" Bolster Area
I-PRESS AB PLUS CONTROL

MARK 2-176-2
7.9 Stroke, 17.7" Die Height, 3.9" Slide Adjustment, 30-55 SPM, 78.7" x 29.9" Bolster Area,
I-PRESS OMRON CONTROL

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