



Where your ideas take shape.



A large industrial facility with various machinery and piping. In the foreground, two workers wearing yellow safety vests and hard hats are seated at a desk, working on laptops. A large blue arrow graphic points from the right side of the page towards the center of the image, containing the text "Circonix Technologies".

Circonix Technologies

CIRCONIX TECHNOLOGIES

Overview

An engineering company focusing on mechanical and electrical upgrades of machinery in the web coating and converting industry. Circonix is a global leader in machinery system retrofits and upgrades encompassing any drive, motor, control and mechanical aspects for converting and extrusion equipment across all product lines. Their combined mechanical and electrical expertise gives coaters and converters one place to go for a complete, vertically integrated source for upgrading their production lines. Every aspect of the machinery upgrade process is covered, including:

- Design
- Procurement
- Fabrication
- Programing
- Installation
- Commissioning
- Startup

Equipment Served

- Coaters
- Laminators
- Extruders
- Unwinds
- Rewinds
- Slitters
- Web gauges
- Treaters

Circonix Technologies



MECHANICAL ENGINEERING

The mechanical engineering team supplies design, fabrication and installation services for upgrading web coating and converting including:

- Line arrangement engineering
- Machine alignment services
- Engineering design
- Equipment rebuilds & retrofits
- Machine fabrication
- Project management
- Machine relocation
- Installation, commissioning & startup
- Consulting – equipment evaluations & recommendations
- Custom assembly design & fab

ELECTRICAL ENGINEERING

The electrical engineering team provides support for the drives and controls integration process to maximize the performance of your equipment. This support includes:

- Engineering design
- Project management
- Web conveyance
- Coordinated drive systems
- Control and safety systems
- Operator station layout and design
- Electrical control panel fabrication SCADA systems
- Installation, commissioning and startup
- Complete retrofitting service
- Maintenance training
- Spare parts program
- 24/7/365 support

UEM CAPABILITIES

The Circonix team is in the unique position to fabricate functionally new web coating and converting lines for 40% to 60% less than the prices charged by other OEMs. Combining the frames and other usable parts from used/existing equipment with new mechanical components, drives, and controls allows us to offer economical production lines with a new equipment warranty. Contact Circonix to discuss the UEM option as an alternative to new OEM costs.

DIAGNOSE PROBLEMS & MAINTENANCE SOLUTIONS

SplicePro

Greatly improves the efficiency of the flying splice process. A poorly tuned flying splice unwind is often the cause for significant downtime and reduced output due to missed splices or slowdowns required to ensure splice accuracy. The ProSplice solution is based on a combination of PLC based hardware and software algorithms designed to provide predictive and user selectable tail length control, and do so at lines speeds of up to 5,000 FPM (1525 MPM).

DS⁵

Davis-Standard's premier remote diagnostic and troubleshooting service. With DS⁵, Davis-Standard and Circonix can assess any intelligent device in your drive and control systems, and perform many tasks that would normally require more expensive field service calls. And, Circonix's 24/7/365 response time to DS⁵ calls yields valuable production savings. Once connected, the DS⁵ team can perform most system diagnostics and programming, software upgrades and control diagnostics, just as if they were on site at your facility.

Equipment Evaluation and Performance Audit (EEPA) is designed to evaluate, diagnose and find solutions that will maximize machine effectiveness and improve system performance. Circonix will provide consultation and guidance for your specific application, based on a proven process that includes interviews, equipment evaluation, process reviews and data analysis. The EEPA is collaborative in nature, engaging the customer's internal resources in the problem solving process. The result is a comprehensive report detailing the recommended course of action for machine performance enhancement.