![Davis-Standard logo](Davis-Standard — Where your ideas take shape.)

System Integration

Systems Integration for EDI® Prodigi™ Die System

Overview

As a world class equipment supplier and preferred business partner of EDI®, Davis-Standard is pleased to be the systems integrator for the new Prodigi™ die systems. Using this die technology, converting customers have the opportunity to boost converting performance at a significant cost savings. This patent-pending motorized lip actuator system allows for faster APC control achieving spec in 3-4 times faster than thermal bolt dies.

Features

- Improve team safety
- Greater energy savings
- Optimal repeatability
- Faster set-up speed
- Gain additional stroke
- Results validated

Systems Integration for EDI® Prodigi™ Die System

Davis-Standard Integration Package

Full integration with extrusion complex

- Mechanical mountings
  - Die mounting components
  - Adaptation or upgrade of existing die splitter
  - Extruder (with optimized feedscrew)
  - Gauge system and link with die
  - Melt transfer pipes and smoke hood
  - Resin handling system
- Upgrade options for increase productivity
  - Automated drool tray
  - Teflon belt system
- Electrical systems
- Functionality of Prodigi™ die integrated with Integrator Pro+ line control system
  - Safety interlocks programming
  - Hands-free adjustments
  - Programming for:
    - Die and chill roll anti-crash system
    - Correct deckle movement
    - Die lip gap setup

Cost Savings

- Reduce scrap at changeover
- Increased sellable product
- Use less energy

Automation Gains

- Automated die slot width adjustments
- Ability to start APC at +/- 25 percent initial variation
- Die guided to repeatable initial profile
- Die lips automatically adjusted to the correct gauge profile
- No pre-tuning necessary

Operational Advantages

- Operator safety and process consistency
- Online capability for remote die gap adjustment
- Faster start-up and adjustment speeds; seconds versus minutes
- Simplified product changeover

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Where your ideas take shape.

+1 315-564-4375
www.davis-standard.com