![Davis-Standard logo] **DAVIS‑STANDARD®**
Where your ideas take shape.

Flawless implementation. Expert support.

Davis-Standard is recognized globally as the leader in high-performance converting and extrusion systems. But our capabilities go far beyond our equipment. They extend to our professional training experts, laboratory personnel, design engineers, and hands-on field engineers who work with you every step of the way. Your success is our success.

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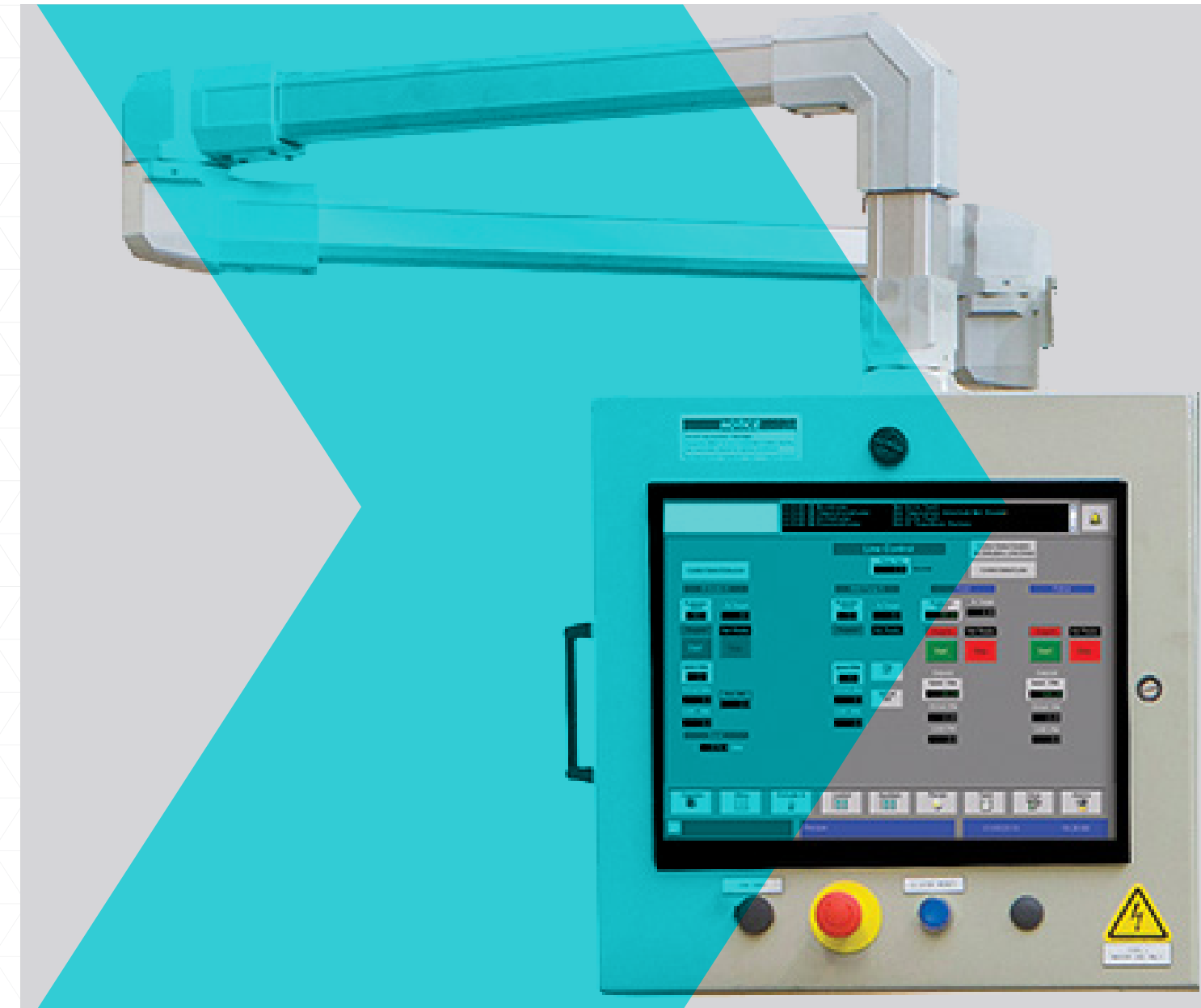TEL +49 (0) 211 2404-0
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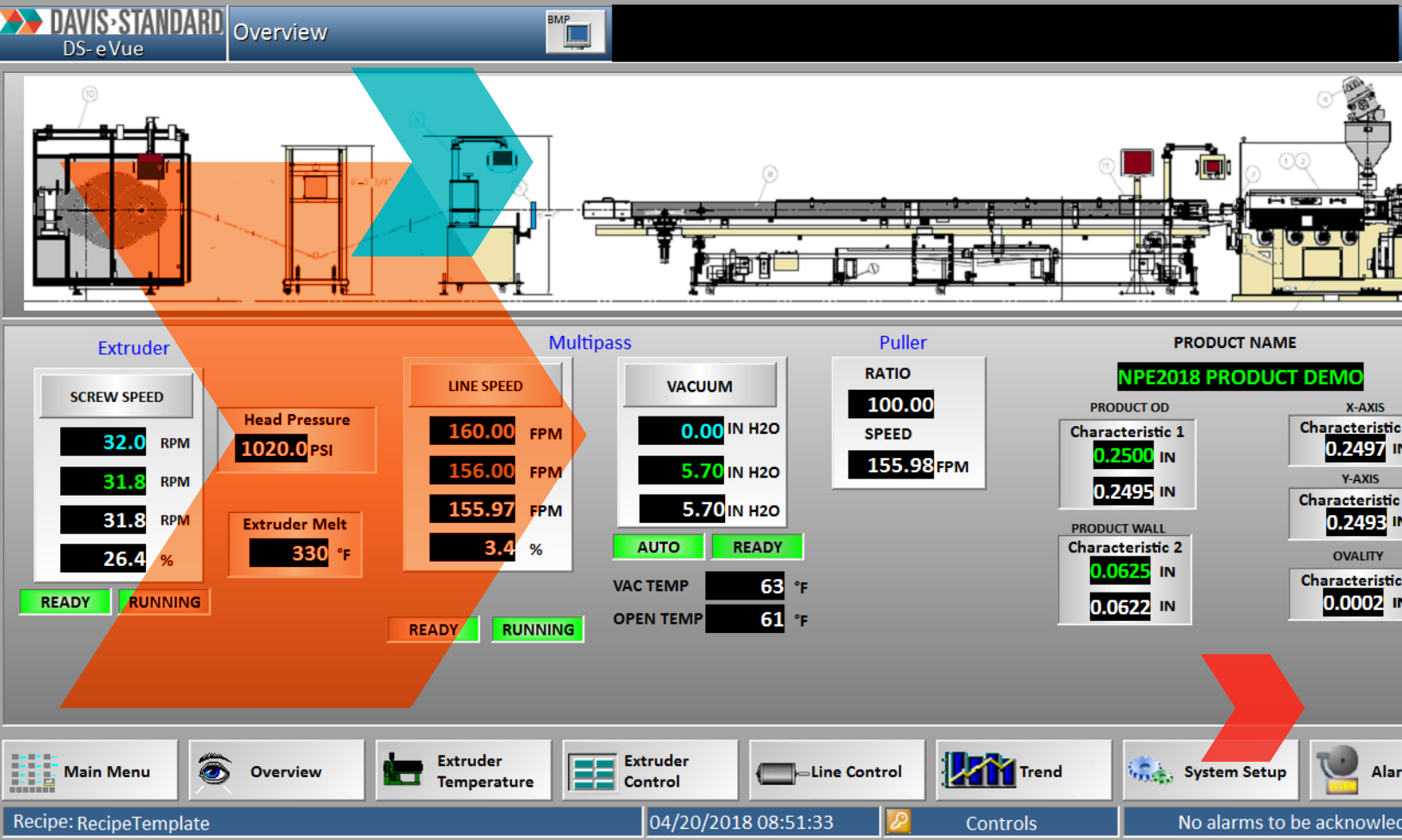TEL +44 (0)1384 471930
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Where your ideas take shape.

Process Controls Upgrades

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Extruder

SCREW SPEED

32.0 RPM
31.8 RPM
31.8 RPM
26.4 %

Head Pressure
1020.0 PSI

Extruder Melt
330 °F

READY RUNNING

Multipass

LINE SPEED

160.00 FPM
156.00 FPM
155.97 FPM
3.4 %

READY RUNNING

Puller

VACUUM
0.00 IN H2O
5.70 IN H2O
5.70 IN H2O

AUTO READY

VAC TEMP 63 °F
OPEN TEMP 61 °F

RATIO 100.00
SPEED 155.98 FPM

PRODUCT NAME
NPE2018 PRODUCT DEMO

PRODUCT OD
Characteristic 1 0.2500 IN
0.2495 IN

PRODUCT WALL
Characteristic 2 0.0625 IN
0.0622 IN

X-AXIS
Characteristic 0.2497 IN
Y-AXIS
Characteristic 0.2493 IN
OVALITY
Characteristic 0.0002 IN

Main Menu | Overview | Extruder Temperature | Extruder Control | Line Control | Trend | System Setup | Alarm

Recipe: RecipeTemplate | 04/20/2018 08:51:33 | Controls | No alarms to be acknowled

Multi-level control upgrades from Davis-Standard make keeping up with system technology convenient and affordable. Upgrades for Davis-Standard's three most widely used control systems – the DS-eTPC, DS-eVUE and and EPIC III® – are continually available to address a wide range of process requirements and budgets. These controls are built to support both Davis-Standard and non Davis-Standard equipment, making them a viable solution when upgrading or replacing obsolete systems.

Advantages

- Controls are one of the first things to become obsolete, yet one of the easiest to upgrade.
- We are one of the few extrusion machinery manufacturers to engineer, procure, assemble and test system controls in-house.
- This single-source accountability provides a signficant advantage when it comes to reliability and customer service.
- Certain upgrades also come equipped with our ReACT support system, making it possible to do remote troubleshooting via a secure Internet connection.
- We want to make the controls process as expedient and budget-friendly as possible.

EPIC III™: HIGH-LEVEL CONTROL FOR COMPLEX SYSTEMS

For larger custom processes, Davis-Standard recommends the EPIC III™. As with the DS-eVUE, this system is equipped with ReACT and can be upgraded or used to replace older or obsolete controls. This is the most full-featured control system offered by Davis-Standard with Windows®-based touchscreen control and advanced supervisory features. It is available with a 23-inch wide-screen monitor, panel-mounted fanless PC, solid-state drive, detailed graphic overview and custom report feature, historical trending, event log and data collection, multi-level secruity and network capability. This system is typically used for wire and cable, sheet and select tubing applications.

- Windows® based plant management and extension process control capabilities
- Adaptable and expandable touch screen displays
- Supervisory features: event logging, customized reports, SQC, historical trending, maintenance/troubleshooting, pressure set-up and more
- Partial and complete line overview, detailed extruder data, recipe creation/storage, etc
- iFIX™ SCADA software for Windows®
- ControlLogix™ PLC platform (optional Siemens S-7)
- Connectivity solutions for remote data access via laptop and web browsing
- Object Linking and Embedding for Process Control (OPC)
- A multiple-level security system to protect set-up functions and accessibility
- Network capability for remote monitoring of multiple systems
- Available DVD writer and removable hard drive for secure system data back-ups

DS-EVUE: AFFORDABLE, MID-LEVEL PROCESS CONTROL

Designed for mid-range processes, this system replaces obsolete PLC controls and older computer supervisory systems. Upgrades include software and hardware updates, graphic overview, custom reports, historical trending, event log, data collection, electronic signature and more. On this system, Davis-Standard can replace the PLC and drives to reflect the latest industry standards. This option includes the ReACT upgrade. The DS e-VUE combines many features of the EPIC III with the low-cost needs of previous HMI applications.

- Windows® based plant management and extension process control capabilities
- System architecture divided into two basic parts: computer/HMI (Human Machine Interface), and process controller
- Touch-screen control via a high resolution color LCD of drives, pressures, and temperatures
- PLC based hardware system
- Simple manipulation of all control functions, including set-point changes, recipe creation/storage, line status overview, alarms, and events tracking
- Web interface
- Mounting options: swing arm, slope front, console, 19-inch

ReACT (REMOTE ACCESS TECHNOLOGY) SUPPORT PROGRAMS

This program, standard on all new EPIC III systems, enables Davis-Standard to support customers worldwide in real-time without a service call. Process conditions can be viewed remotely and immediately during a production run without the need to stop the line.

- Provides customers with high-speed remote trouble-shooting support from Davis-Standard via a secure internet connection
- Uses standard Internet Explorer®
- Provides real-time viewing and control of EPIC screens and PLC without affecting the current application
- Provides a faster response to customer needs regarding EPIC III/PLC controls or process issues
- Service is intended for troubleshooting and process support. (Accomplished utilizing third hard drive which is connected by customer for support)

DS-eTPC (TOUCH PANEL CONTROL): COMPREHENSIVE DISCRETE CONTROL

A discrete touch-panel solution that replaces discrete temperature controllers, pressure indicators and controllers, driver operators and indicators. It includes a 15-inch color touch-screen with built-in PLC line controls designed for easy replacement of older controls. It is capable of controlling three extruders at once, making it idea for laboratory lines as well as basic blown film, elastomer, profile and sheet applications Integrated touch-screen control at discrete pricing.

- Provides temperature control, pressure and drive control at discrete pricing
- Coordinated line drive control standard
- Operator friendly design
- Cold start inhibit
- High and high-high alarms for each pressure point
- Recipe creation and storage
- Provision for system networking to a supervisory computer via Ethernet LAN
- Three pre-configured and engineered levels with added temperature and line control options
- Optional closed loop pressure control for melt pump operation
- Optional configuration, second line drive

INTEGRATOR PRO

This innovative system combines total line control and data monitoring into one multi-functional information center. It is specifically designed for high-level converting processes encompassing cast film, blown film, extrusion coating, solvent and aqueous coating and drying.

- Supervisory control that integrates all converting machine line components into a single user-friendly operator interface
- Graphics-based touch screen interface
- Historical data tracking and system security
- Recipe management
- Process reporting
- Alarm and event logging, line and extruder diagnostics
- Standard PC computer hardware with Microsoft® Windows® XP
- Wonderware software engine
- Distributed architecture and system networking capabilities
- Individual machine component details
- Line drives display
- Water recirculation diagram
- Phone line and/or internet access