TECHNIDYNE

PROFILE/Plus® Controller

The way to automate your process control testing

1. Move

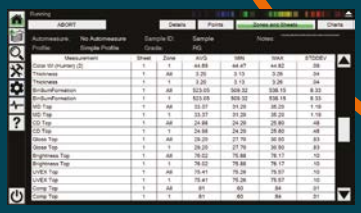
Getting each sample to the same location each time you measure is critical for accurate paper machine assessment and parent roll management.

2. Measure

Standardized testing is at the core of the PROFILE/Plus®. Combine that with robust automation and measurement technology to create an automation system second to none.

3. Collect

As each measurement is made the data is recorded for display in charts, graphs and tables. Pick and choose the data most important and associate them with other tests to insure the quality of your product.



4. Distribute

This is the critical piece so that the machine floor can get access to the data ASAP, making adjustments to the paper machine, minimizing waste and confidently shipping products to your customers.

MOVE
MEASURE
COLLECT
DISTRIBUTE
PROFILE/PLUS™ CONTROLLER

INDUSTRIAL PHYSICS

Protecting Product Integrity

The PROFILE/Plus® Controller brings to your automation program many new features that will enhance your operations and get data to the floor quicker.

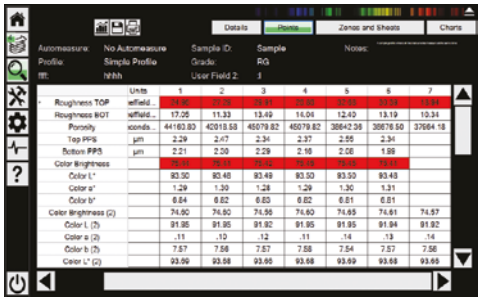
At the heart of the PROFILE/Plus® Controller is the new Controller hardware which offers:

- Touchscreen operator interface
- Ethernet connectivity to instruments and mill systems
- FTP connectivity
- Remote Viewer
- Sample entrance platform

Along with these hardware updates the new PROFILE/Plus® Controller has many new software features to enhance your testing program.

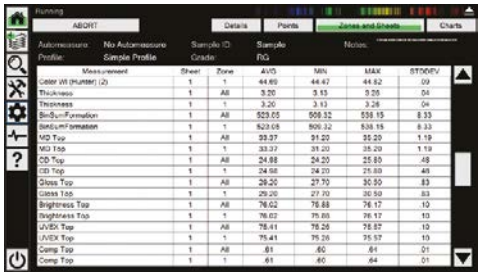
Capturing data:

We start with the details and go from there. Knowing where each test took place, along with the results from that test, gives you the detailed data to know what's going on with the paper machine. This detail of data let's you find trends quicker, problem areas sooner to keep your machine running at its best. Pick the tab at the top of the screen to view the data in a format that best suites your needs.



Specifications:

PROFILE/Plus® System contoller lets you set your specifications in our software so your operators don't have to wait for the data to go to the mill system.



Statistics:

PROFILE/Plus® System contoller gives you the statistical tools to know the Average, Min, Max and Standard Deviation of your CD sample strip.

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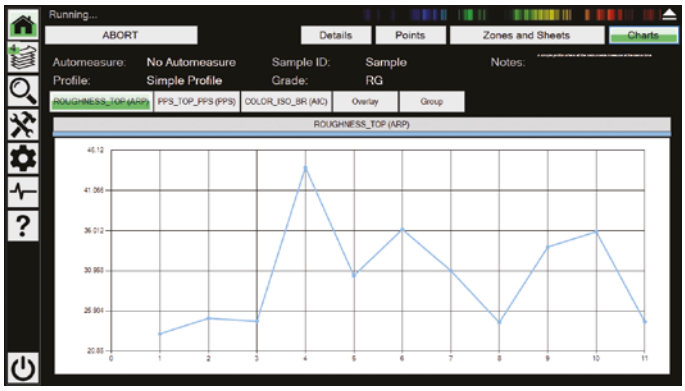
Charting data:



The value of charting or graphing data makes finding trends and seeing quality and process issues much quicker and easier.

Grouping data charts:

Tracking similar properties can be easy to set-up with the grouping tool. It is a simple process to set these up per grade, paper machine or for customer trials.

Overlaying data charts:

Certain properties trend together and can create a powerful visual and analysis tool. PROFILE/Plus® Controller gives you the capabilities to set these overlays of properties to best optimize your operations.

Additional software features in the PROFILE/Plus® Controller:

- Historical data review and anaylsis
- New and improved operator interface
- Simplified system configurations and updates
- FTP mill interface
- Measurement and data zoning

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PROFILE/Plus® Controller Specifications:

PPC Hardware Specification

I/O Ports	• 1x HDMI External display • 4x USB Type A • 1x RJ45 Mill Connection • USB Printer support for 90% of 2012 and newer printers

Instrument Interface Ports

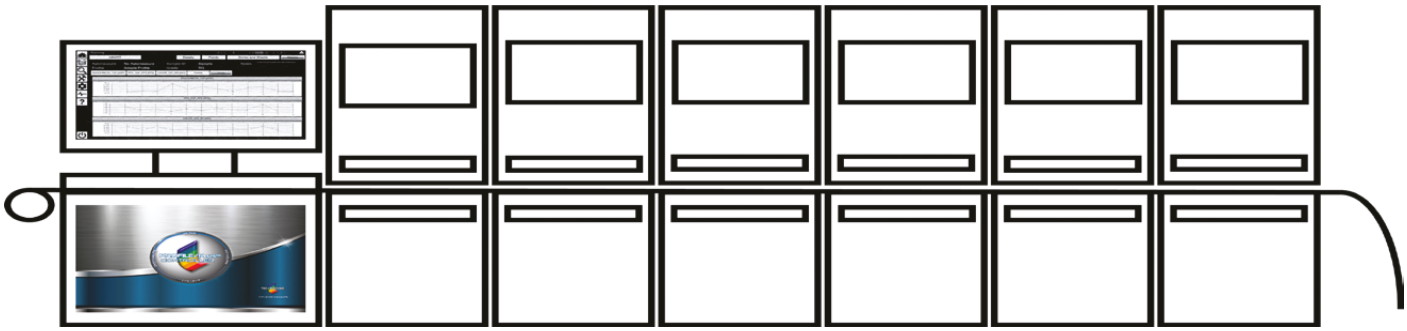
Number of Serial Ports	8 or 16 viaRS232 DTE on RJ45 (10 pin)
Serial Port Speed	300bps to 230kbps
Data Bits	8-bit protocol support
Parity	Odd, Even, Mark, Space, None
Flow Control	Hardware, Software, Both, None
Serial Port Protection	15Kv Electrostatic Discharge Protection (ESD)
Total Weight	57lbs/26kg

Mill Connection Port

Data Port (1)	10/100/1000 RJ45 Port
Security	ACL-Based Firewall Sone-Based Firewall NAT
Ethernet Isolation	1.5Kv Magnetic Isolation
Mill Connection	IP4 Manual or DHCP Client
Data Protocol	FTP Data Export

Display Specification

Digital Size	15.6" diagonal, Active matrix TFT LCD (LED)
Aspect Ratio	16:9
Touch Interface	USB
Speakers (2)	2W Internal Speaker
Monitor Dimensions (With Stand)	11.21" x 15.23" x 7.84" 28.5cm x 38.7cm x 19.9cm
Weight (Unpacked)	6.72lbs/3.05kg



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