TECHNIDYNE

PROFILE/PLUS CONTROLLER

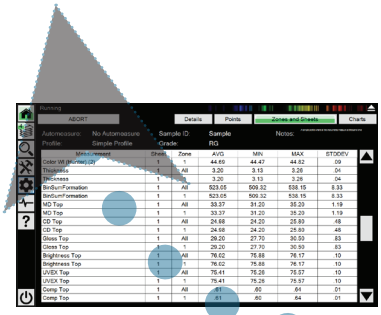
Move - Measure - Collect - Distribute

PROFILE/Plus, 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.

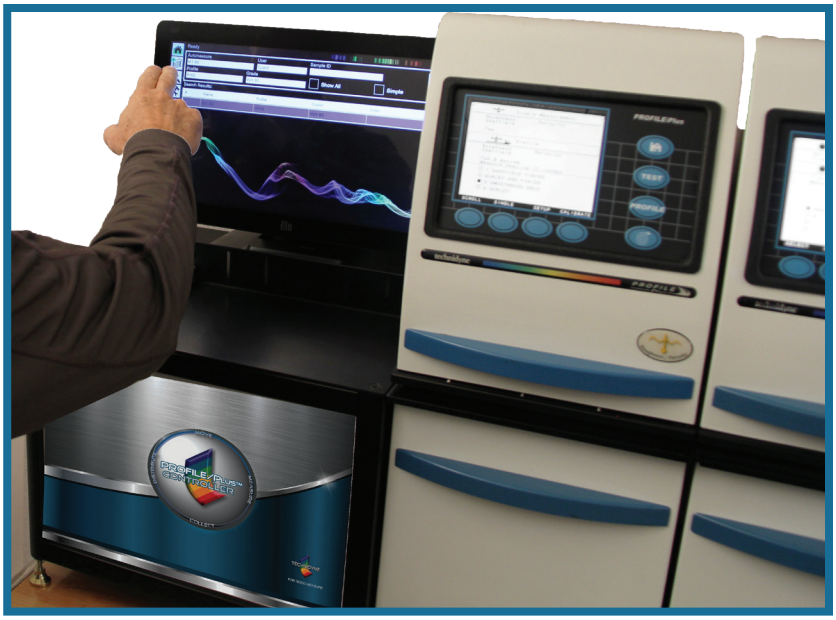
4-Distribute - This is the critical piece so that the machine floor can get access to the data ASAP, making adjustments to the paper machine, minimizing waste and confidently shipping products to your customers.



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 test to insure the quality of your product.

The Technidyne 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.

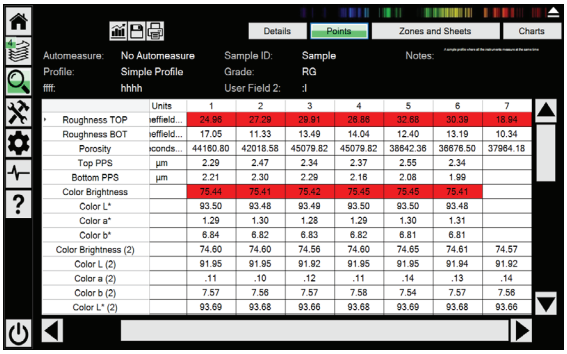
Capturing data:

We start with the details and go from there. Knowing where each test took place, 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.

Details | Points | Zones and Sheets | Charts

Automeasure: No Automeasure
Profile: Simple Profile
ffff: hhhh
Sample ID: Sample
Grade: RG
User Field 2: :l
Notes:

	22.8in	23.2in	23.6in	24.7in	25.4in	26.1in	26.8in	27.2in
Gloss Top								
Brightness Top			76.03					
UVEX Top			75.41					
Comp Top			.62					
Brightness Bottom								76.22
UVEX Bottom								75.67
Comp Bottom								.55
TSAmd		-8.39						
TSImd		6.78						
TSIcd		14.24						
TSImd/TSIcd Ratio		.48						
TSImax		14.35						
TSImin		6.66						
TSImax/TSImin Ratio		2.15						



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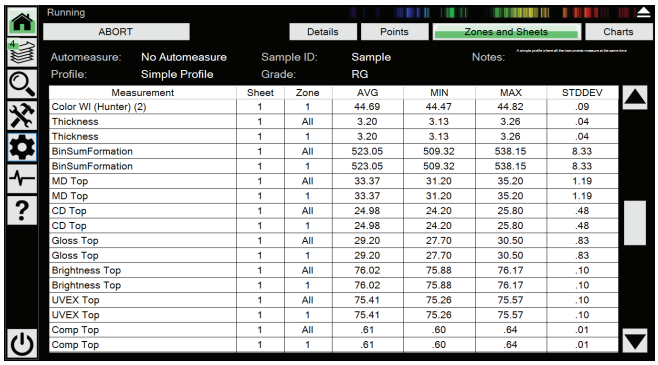
Grade: RG
User Field 2: :l
Notes:

	Units	1	2	3	4	5	6	7
Roughness TOP	effield...	24.98	27.29	29.91	28.88	32.68	30.39	18.94
Roughness BOT	effield...	17.05	11.33	13.49	14.04	12.40	13.19	10.34
Porosity	conds...	44160.80	42018.58	45079.82	45079.82	38642.36	38676.50	37984.18
Top PPS	µm	2.29	2.47	2.34	2.37	2.55	2.34	
Bottom PPS	µm	2.21	2.30	2.29	2.16	2.08	1.99	
Color Brightness		75.44	75.41	75.42	75.45	75.45	75.41	
Color L*		93.50	93.48	93.49	93.50	93.50	93.48	
Color a*		1.29	1.30	1.28	1.29	1.30	1.31	
Color b*		6.84	6.82	6.83	6.82	6.81	6.81	
Color Brightness (2)		74.60	74.60	74.56	74.60	74.65	74.61	74.57
Color L (2)		91.95	91.95	91.92	91.95	91.95	91.94	91.92
Color a (2)		.11	.10	.12	.11	.14	.13	.14
Color b (2)		7.57	7.56	7.57	7.58	7.54	7.57	7.56
Color L* (2)		93.69	93.68	93.66	93.68	93.69	93.68	93.66

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



Running
ABORT
Details | Points | Zones and Sheets | Charts

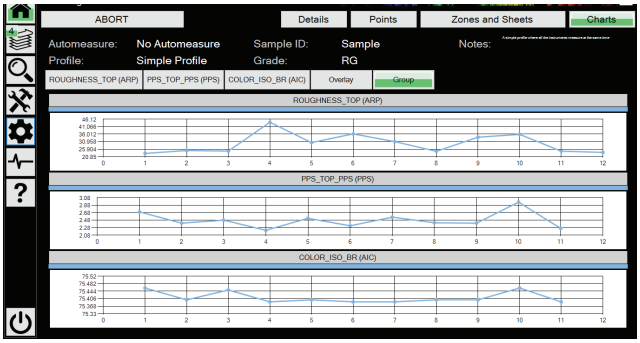
Automeasure: No Automeasure
Profile: Simple Profile
Sample ID: Sample
Grade: RG
Notes:

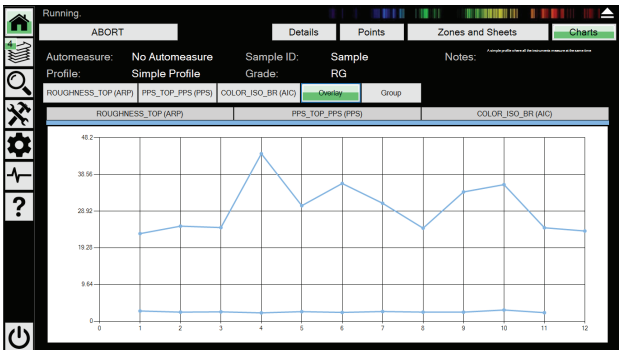
Measurement	Sheet	Zone	AVG	MIN	MAX	STDDEV
Color WI (Hunter) (2)	1	1	44.69	44.47	44.82	.09
Thickness	1	All	3.20	3.13	3.26	.04
Thickness	1	1	3.20	3.13	3.26	.04
BinSumFormation	1	All	523.05	509.32	538.15	8.33
BinSumFormation	1	1	523.05	509.32	538.15	8.33
MD Top	1	All	33.37	31.20	35.20	1.19
MD Top	1	1	33.37	31.20	35.20	1.19
CD Top	1	All	24.98	24.20	25.80	.48
CD Top	1	1	24.98	24.20	25.80	.48
Gloss Top	1	All	29.20	27.70	30.50	.83
Gloss Top	1	1	29.20	27.70	30.50	.83
Brightness Top	1	All	76.02	75.88	76.17	.10
Brightness Top	1	1	76.02	75.88	76.17	.10
UVEX Top	1	All	75.41	75.26	75.57	.10
UVEX Top	1	1	75.41	75.26	75.57	.10
Comp Top	1	All	.61	.60	.64	.01
Comp Top	1	1	.61	.60	.64	.01

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.

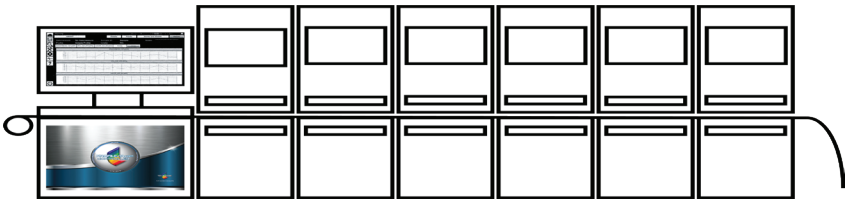




Overlaying data charts:
Certain properties trend together and can create a powerful visual and analysis tool. PROFILE/Plus Controller gives you the capabilities to set these overlays of properties to best optimize your operations.

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



PROFILE / PLUS CONTROLLER SPECIFICATIONS

PPC Hardware Specification		Mill Connection Port	
I/O Ports	1 x HDMI External display	Data Port (1)	10/100/1000 RJ45 Port
	4 x USB Type A	Security	ACL-Based Firewall Sone-Based Firewall NAT
	1 x RJ45 Mill Connection	Ethernet Isolation	1.5Kv Magnetic Isolation
	USB Printer support for 90% of 2012 and newer printers	Mill Connection	IP4 Manual or DHCP Client
Instrument Interface Ports		Data Protocol	FTP Data Export
Number of Serial Ports	8 or 16 viaRS232 DTE on RJ45 (10 pin)	**Display Specification**	
Serial Port Speed	300 bps to 230 kbps	Digital Size	15.6" diagonal, Active matrix TFT LCD(LED)
Data Bits	8-bit protocol support	Aspect Ration	16:9
Parity	Odd, Even, Mark, Space, None	Touch Interface	USB
Flow Control	Hardware, Software, Both, None	Speakers (2)	2W Internal Speaker
Serial Port Protection	15Kv Electrostatic Discharge Protection (ESD)	Monitor Dimensions (With Stand)	11.21" x15.23"x7.84" / 28.5 cm x 38.7 cm x 19.9 cm
Total Weight	57 lbs / 26 kg	Weight (Unpacked)	6.72 lbs / 3.05 kg

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