

Automation Products

Touch Screen Panels
WireRight Display

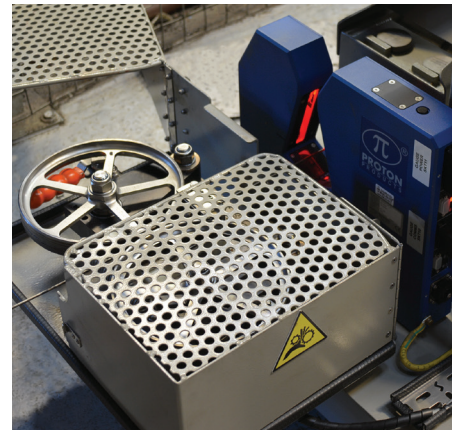
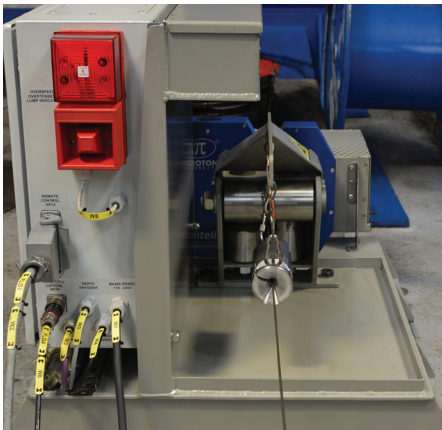




WireRight System

Our WireRight system is a monitoring and recording device for use in the workshop. It is designed to detect diameter errors (all lines) and lumps, necks, and defects on slickline (including coated slickline) and E-line during spooling operations in order to prevent wire breaking. The complete system includes the WireRight display, skid-mounted detection system (speed, length, and diameter checks) and optional load cell (providing spooling tension) and sheave. The WireRight system can be used in environment temperatures between +5°C (41°F) and +45°C (113°F). Refer to pictures at the bottom of this page.

Elmar NOV Completion & Production Solutions				
SPOOLING REPORT				
Client:	Client No:	Date: 17/01/2018		
Report No.	SPOOLING REPORT	Drum No.	DRUM	
Wire/Cable Type	TEST	Temperature Rating	Installed in Unit No.	
Length (ft) / (Mtrs)	0 / 0.00	Ref No.	JOBNAME	
Wire/Cable No.	WIRE	Order No.	NOV ELMAR	
Stock Reel No.	REEL	Requested By		
Drum Box No.	DRUMBOX			
Length (ft)	Comment	Cable Diameter (Inch)	Twist	Spooling Tension (kg)
200		0.0649	0.0649	233
200	Neck @ 477.29m, Neck @ 477.81m, Neck @ 477.85m	0.0649	0.0649	232
200		0.0649	0.0649	236
400		0.0649	0.0649	239
750	Neck @ 748.23m	0.0649	0.0649	224





The WireRight display is the interface between the WireRight system and the operator. It is designed to set measurement tolerances and monitor spooling jobs for the WireRight system. The WireRight display generates recording files that can be used to create a spooling report or exported to a database file (.csv).

The WireRight display is a rugged, high brightness capacitive touch screen panel. Screen size of the panel is 10 in. and it has a USB connection for data export. The display has been designed for use in harsh environments and outdoor applications. Robust glass touchscreen with anti-reflective (AR) glass surface treatment provide superior performance.

Software features

- Detection of lumps, necks, and wire diameter errors
- Alarm message on display when, lump, neck or diameter error detected
- Set wire length after confirmation
- Reset tension after confirmation
- Recording of wire length, tension, lumps, necks, and wire diameter errors
- Set tolerances for minimum and maximum wire diameter
- Set tolerances for lump and neck detection
- Tension correction by 10-step calibration
- Imperial and metric display selection
- Speed sound alarm
- Tension sound alarm
- Wire length sound alarm
- Output for external sounder connection to make operator aware of detected lumps, necks, and diameter errors on the wire
- Input of drum, unit and wire stock ID is available for recording and reporting purposes
- Download recordings via USB
- Use recording files to create a spooling report with SmartOffice, or export data to a database file (.csv)

Recordings screen

Mark on detected faults

Pull down for quick settings

Event screen (alarms, etc.)

Home button

Counter for total number of detected faults during job

Main screen example

Actual measured wire diameter

Event bar to notify operator when lump, neck, or wire diameter error detected

Settings screen for easy set-up

Report screen to display position of detected wire deformations

Diagnostics screen

Page up/down

Configuration

Description	Size	Hazardous area classification	Connections
LineMinder Wire Condition Monitor	10 in.	Non-zoned	Measuring head (depth/tension/speed) Optical lump/neck detector USB

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