Visual Print Sensing

For inspecting marked cables and fibre optic “ringing”

Technical Details:

	Front	Cabinet	Touchscreen Dispaly
Dimension (d,h,w)	21x42x35 cm*	5x39,5x60,5 cm	30x38x6 cm
Weight	7 Kg / 15,4 Lbs	25 Kg / 55,1 Lbs	3,3 Kg / 7,2 Lbs
Supply Voltage	Connection cable included	115-230VAC 47-63Hz	Input 100-240VAC Output +12V 4A
Imput Power	Connection cable included	Max 300 Watt	Max 160 Watt
Resolution	Customizable*		
Ligths	n°2 Class II - LED		
Camera	1 Camera		
Range	Customizable *		
Speed Limit	1200 Meters/Min		

Customizable*: The range and resolution are customizable, with a study of the line and application to be conducted to prepare and customize each machine for the client’s needs..

Product Details :

Maximum speed of extruded product 1200 metres/min.

- Can control any diameter of extruded product.
- Visual Print Sensing, can check for: an absence of marking, over-marking, changes in the marking, font cuts, ink stains on the marking and the unmarked portion of the product.
- Intuitive Livestream of the brand in place allows the operator an easy, effortless set-up and start-up of the line (use of the strobe light is no longer necessary).
- Can check any black or white branding on any product colour (other brand colours require customisation of the tool).
- Easy detection of the marking on the product thanks to the 180° or 360° motorised optical device (the technology allows Visual Print Sensing to rotate around the extruded product to set the optical device to intercept the mark/print as the product rotates/twists).
- Fast and intuitive software interface.
- Requires little training (initial operating instructions after installation take just 30 minutes).
- Various CAQ software options can be connected to send Analysis Reports.
- The internal/external database allows the operator to call up formulas for easy configuration.
- No user influence on predefined optical focus or on the optimised, intelligent and homogeneous illumination.

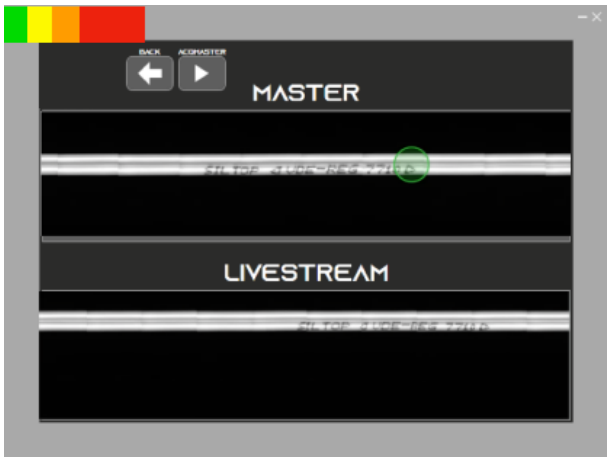
- Green, yellow, orange and red warning lights signal non-compliance.
- The software offers various settings to be made at an operator level (production, administration, service, etc.).
- Standardised individual components guarantee the safety of supply and thus a short delivery period.
- Easy connection with external devices.
- The optical hardware is protected by easily replaceable, easy-to-clean tempered glass. Easy plug-in connectors mean easy installation or transport.
- Easy plug-in connectors for easy installation or transport.
- The monitor's touchscreen console can be positioned away from the device.
- Visual Print Sensing can be customised in the following settings: 0°, 180°, 360°.

Field of Application:

- The design and study of a camera-based system for the detection of markings/printing on the surface of extruded products such as cables, fibre optics, pipes, tubing and the like.
- Device designed for production lines.
- An encoder signal for the line is required (supplied by you from an opto-isolated signal in parallel or from a dedicated encoder).
- If necessary, the device can be customised and adapted to almost any application.
- The device can be used to detect all types of prints made by printers (ink printers).

Software Details (see the images below) :

- Depending on the status of the marking, the grey frames change colour (green, yellow, orange, red) for immediate recognition.
- The buttons can be activated or deactivated at the client's request.
- The master represents an example of compliant marking, whilst the live stream shows the current marking.
- The live stream represents the marking under analysis.
  Customizable.



•Cruising mode- The software has a full screen mode.
•Traffic light frame around the monitor for easy viewing, even from a distance.
•Alarms, lights or buzzers that integrate with the device can also be used.

General Overview of the System

Note: The system in the below image represents a display configuration. The application of the same system will be different depending on the customization and configuration.