Visual Print Sensing

QUICK PRODUCT EXPLANATION:

Our system allows you to check any marking or logo on your extruded product in a completely automatic way, showing real-time on the touchscreen monitor, so as to simplifying and securing the setup of the line.

PRACTICAL EXAMPLE:

Usually, the operators set up the marker and starts the line, trying to understand if it's marking correctly without any certainty. With VPS, the operators will instead be able to control the marking just looking at the monitor with the certainty that the marker it's printing well or poorly. In this way they will have full control of the product quality since the early stages. Subsequently, with a single touch on the monitor, they will launch the automatic marking check throughout the production phase.

EXPLANATION OF APPLICATION DETAILS:

VPS guarantees continuous control over every text, mark, or logo during production, without missing any, at a maximum speed of 1200 meters per minute. Our device follows the marking even when the extruded product rotates, so as not to miss any. If VPS detects flaws, such as absence of marking, cut writings, crooked writings, or ink smudges that deviate from your expectations, it will warn the operators through a traffic light signal on the monitor and a siren to allow them to intervene promptly to contain any potential error that could compromise the entire coil.

At the end of production, through a savable and send able report in your database, you would have the ability to track these errors over time and align them with your operators, your lines, and your markers.

Thus, allows you to venture into more complex markings or challenging logos, satisfying even the most demanding customers.

STRENGTHS OF VPS:

- VPS works with any length and dimension of the marking.

- Basing on the diameter of the extruded product, we can choose the right configuration accordingly with the following scheme:
  Big diameter → slower extrusion line → VPS 0° (light)
  Small diameter → faster extrusion line → VPS 180° or 360 °

  (The choice between VPS 0° and VPS 180° may depend on the requested application since to any extrusion line belongs a different application)

- VPS system allows the supervision of a marking on everything : pipes, wires, cables, plastic, metal, glass etc. For example, on a reflective or transparent applications we can assemble different filters or lights based on the requested application.

Down below some photos of markings on different type of product that VPS easily controls.