No waste
no pain

smijet by ODESYO

- **Reduce set-up time**
- **Save rolls and substrates**
- **Access top-end customers**
- **Stabilize colors**

NIPSON INNOVATIONS

powered by Odesyo

Improve calibration and stabilize colors?

Current obstacles in printing labels and flexible packaging

Offset calibration? Print a few meters, stop, check visually or by densitometer, restart the machine, stop it again, re-check. Change the settings solely on the basis of your visual perception, either on samples or on a large screen. Can we justify 20 to 30 mn of downtime per job?

Is the model reliable? Is there a "ready for press" document? Is the Pantone color chart recent? Is the PDFX generated by a professional? Was last year's sample protected from light and moisture?
And for digital? Here, the issue is not only calibration, but also long-term stability, and therefore printing defects. See also our "Missing Jets" application sheet.

What about the environment? Without the Smijet®, there is 50 m to 350 m of waste per job. Printing on adhesive or complex substrates involves difficult and often expensive recycling.

Observation: the current control solutions slow production and create waste.

What about a smart inline multispectral scanner?

Permanently installed on the printing line, it would allow you to run an additional customer file per day and access higher-end customers.

Smijet inline color control

- Resolution up to 1200 dpi
- 36-band 10 nm check
- Color measurement accuracy: $\Delta E \leq 1$ in the L*a*b* (L*c*h*) space
- Illuminant: any profile (D50, D65, etc.)
- Speed: up to 120 m/min
- Inspection accuracy: 1 mm^2
- Control distance: 10 mm
- Power supply: 220 VAC
- 340 mm-wide modules
- WxHxD (mm): 405 x 350 x 200.

Eliminate all obstacles using the smart spectrophotometer

One of a kind. Completely different from conventional systems, Smijet® is a compact 1200 dpi color control system integrated with artificial intelligence and a patented multispectral sensor. Installed on your machine, it greatly reduces rejects and machine downtime. Everything is done in-line, during production and under embedded D50 illuminant.

At last, an automatic control over 100% of the production, whatever the substrate

With an inspection **accuracy of 1 mm2**, Smijet detects the slightest color deviation from the selected sample. Customized according to your customers' standards (rigid or flexible), it provides visual alerts and automatically highlights any color defect on its High Definition screen.

Calibrate and stabilize colors at high resolution and high speed!

In less than a minute, production starts without the need for sampling and associated waste.
Smijet's main functions:

- Fast and accurate automatic offset set-up;
- Identical print runs when switching machines (offset to digital and vice-versa), and also between different machines of the same technology;
- Identical print runs after several years;
- Production report is archived.

The waste is thus eliminated in advance!

Smijet control screen automatically points out color areas exceeding tolerance thresholds.