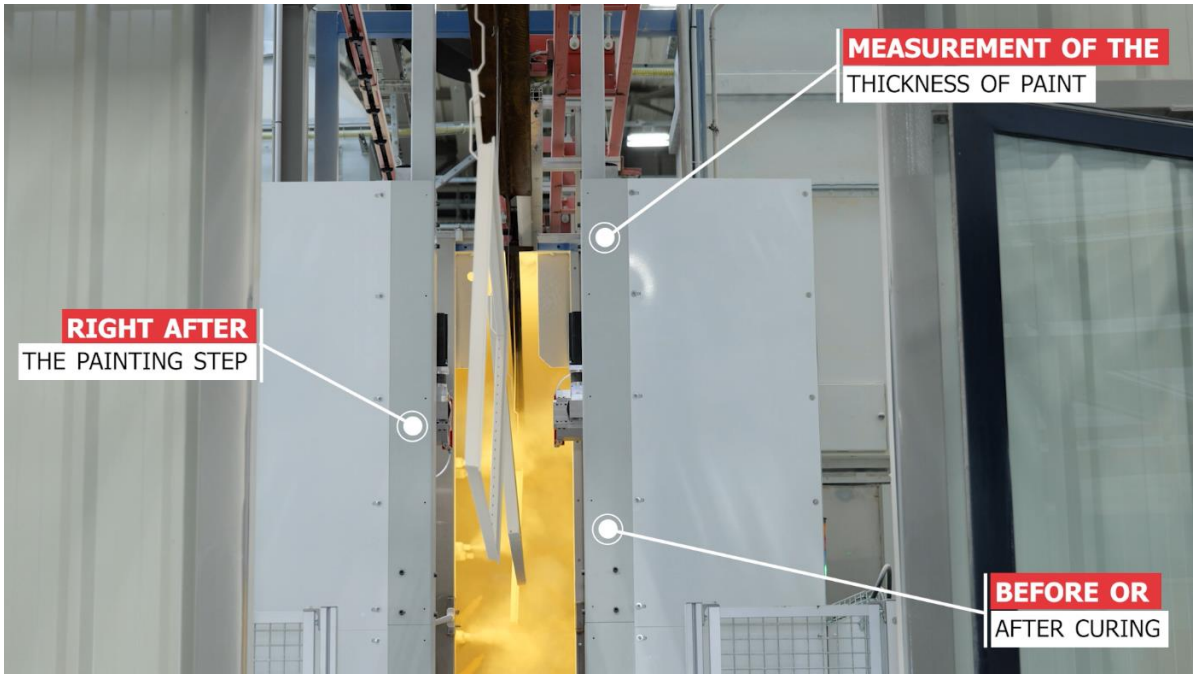
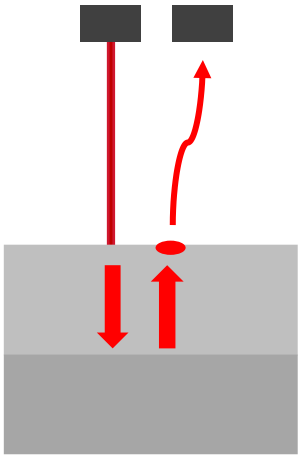
EPOXY AND POLYESTER POWDER PAINT **THICKNESS MEASUREMENT**

- Non destructive, contactless and fast measurement
- Very compact measuring head
- High measurement repeatability
- Works on epoxy and polyester paints on metallic, polymers and composite substrates, also on enamel coatings
- Allows to measure parts moving on vertical and horizontal conveyors
- Automated storage and archiving of referenced measurement data
- Live stream of data to line controller

TYPICAL APPLICATIONS : POWDER PAINT OR ENAMEL DEPOSITION



INNOVATIVE LASER MEASUREMENT TECHNOLOGY



ADVANTAGES AND SAVINGS

- In-line measurement allows an immediate correction of the deposition process and better quality and consumption management
- Nondestructive and fast measurement allows to improve precision, gain time and increase the number of data

Measuring head dimensions	L120 x L66 x h66 mm
Measuring head weight	< 500g
Measurable thickness range	0µm – 500 µm
Accuracy	< 3 % of measured thickness
Distance between probe head and part	150 mm - 250 mm

POLYTEC GmbH
Tel: +49 (72 43) 604 1730
Polytec-Platz 1 - 7
Fax: +49 (72 43) 6 99 44
D -76337 Waldbronn
E-Mail: ot@polytec.de
GERMANY
www.polytec.de

enovasense
BEHIND THE INVISIBLE

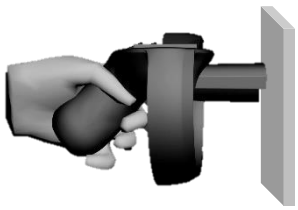
THICKNESS MEASUREMENT OF **PAINT** DEPOSITED ON **COMPOSITES STRUCTURES**

- **Non destructive** and **fast** control
- **Very compact** measuring head
- Possible to measure **contactless** with a robotic arm or manually with a contact hand-held module
- High **repeatability** of the measurement
- Measurement available on all surface curvatures and shapes, even close to the edges
- Automated storage and archiving of referenced measurement data
- Working on all aircraft or aeronautic paints (civil or military)
- Also working on paint on metallic substrates

EXAMPLES OF IMPLEMENTATIONS

The measuring head is put in a control station where small or medium painted parts can be inserted and measured

Lab or workshop by-the-line measurement



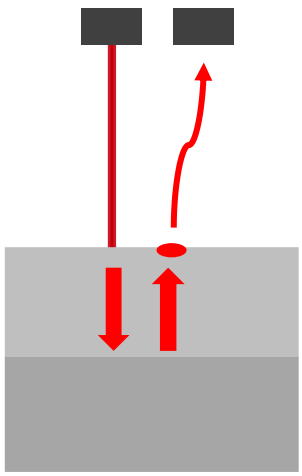
The measuring head is in a contact hand-held module so the operator can measure different points of the part.

Manual in-production measurement

The measuring head is fixed on a robotic arm or axis that automatically scan different points of the part

Advanced in-line measurement

INNOVATIVE LASER MEASUREMENT TECHNOLOGY



ADVANTAGES AND SAVINGS

- Nondestructive and fast measurement allows the control of the whole plane or part to improve quality
- This allows also the optimization of the quantity of paint deposited and so global weight reduction on the part

Dimensions of a measuring head	l75 x L32 x h41 mm
Weight of the measuring head	<200g
Range of thickness available	0-300µm
Repetition time	0,5s
Distance probe-part	40mm
Spot diameter	0,8-10mm

Polytec
POLYTEC GmbH
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Polytec-Platz 1 - 7
Fax: +49 (72 43) 6 99 44
D -76337 Waldbronn
E-Mail: ot@polytec.de
GERMANY
www.polytec.de