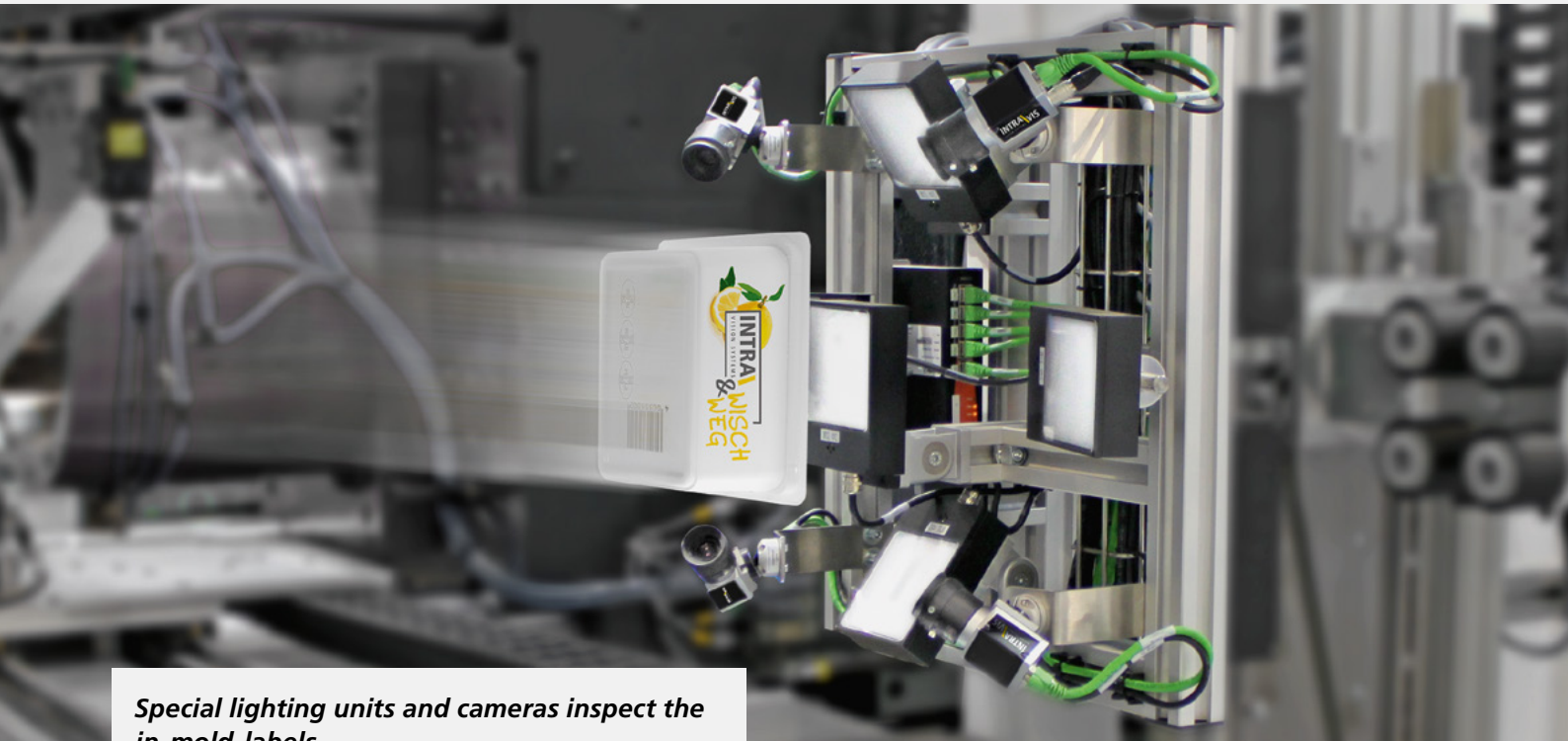


IMLWATCHER®

INSPECTION OF IN-MOLD-LABELS

The IMLWatcher® ensures a comprehensive quality control for the in-mold labeling process. The advantage is obvious: The system can be integrated directly into the automation robot and therefore is particularly space-saving and efficient. It fits into the existing landscape without any difficulties and supports very fast cycle times.



Special lighting units and cameras inspect the in-mold-labels

The system performs a 360 degree inspection for **all types of IML decorations** – wrap-around decorations as well as base labels regardless of the orientation of the label. Even non-decorated surfaces can be inspected for impeccable appearance.

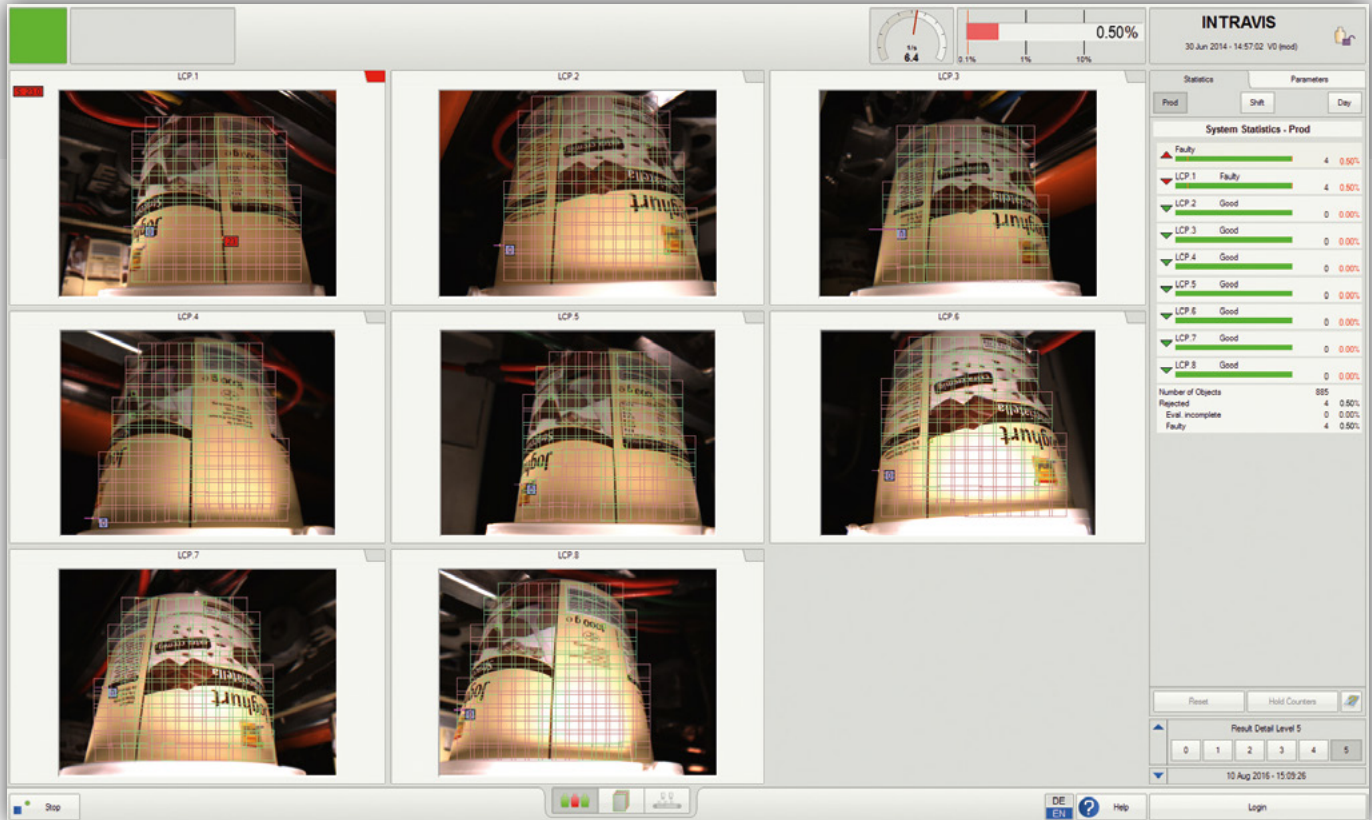
The IMLWatcher® is applicable in all fields of IML molding production. Typically it is used for the inspection of containers, cups and lids.

Depending on the requirements, the system can be equipped with multiple cameras and special lighting which are capable of detecting all typical IML defects such as **back injections, blow-bys, label offset and angular rotation**.



IMLWATCHER®

INSPECTION OF IN-MOLD-LABELS



Seamlessly included into the production process and integrated in the take-out robot of the injection molding machine, the IMLWatcher® supports **frame intervals down to 20 milliseconds**.

INSPECTION CRITERIA

- \\ Label presence
- \\ Label identity
- \\ Label position (vertical, horizontal and rotation of label)
- \\ Blow-by
- \\ Flash
- \\ Bubbles and folds
- \\ Contamination
- \\ Printing errors on label
- \\ Print-to-cut
- \\ Defect at the label edge

Inspection performance

- \\ Inspection accuracy 0.1 mm (for labels with a size of 50 x 50 mm)

Inspection speed

- \\ Frame intervals down to 20 milliseconds

Electrical connection of the electrical cabinet

- \\ Rated voltage AC 230 V, 50/60 Hz*
- \\ Rated current 2 A

* All systems are available in UL/CE configuration
Other voltages upon request