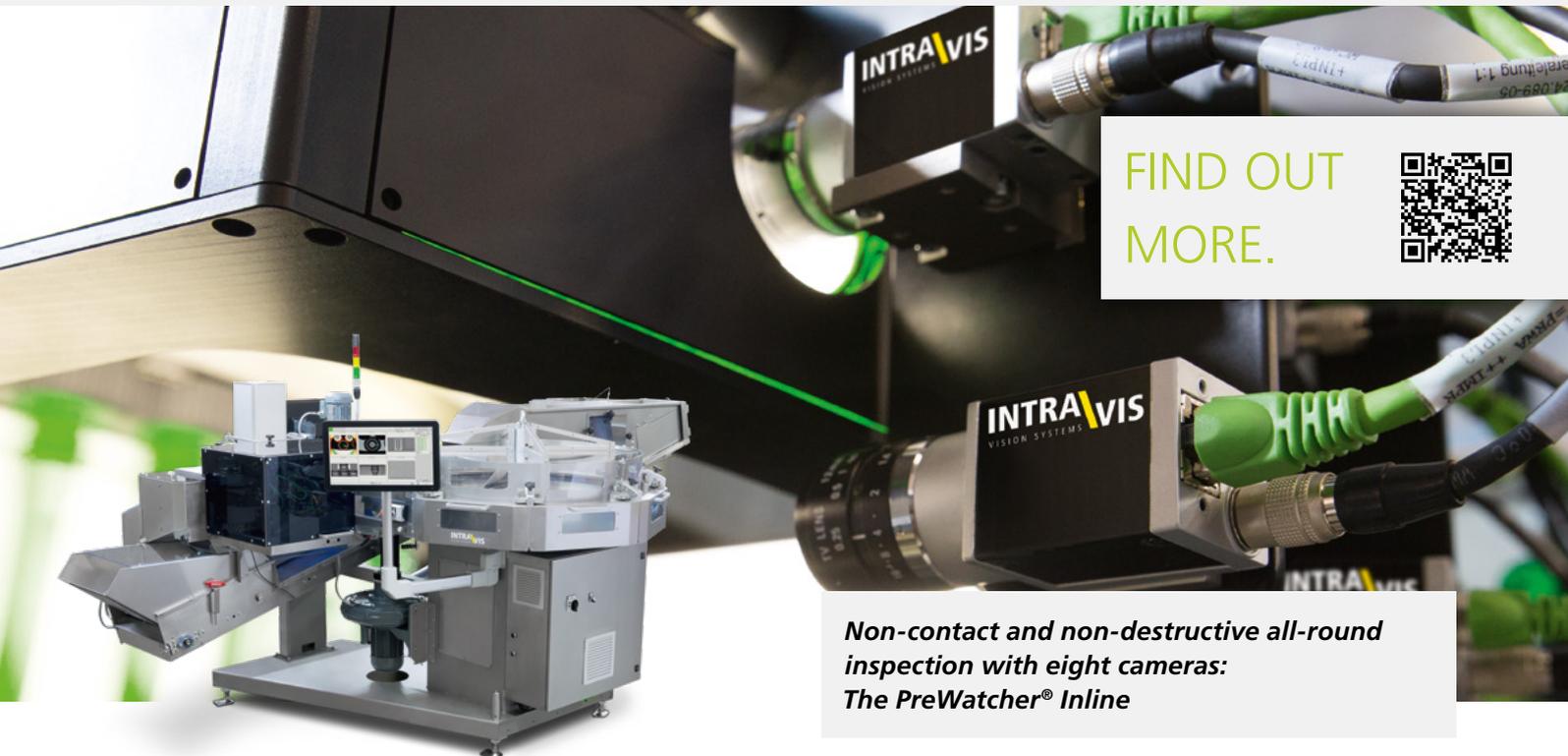




PREWATCHER® INLINE

YOUR COMPACT SOLUTION FOR PREFORM INSPECTION

Preform feeding, orientation and inspection: With the PreWatcher® Inline you get a compact 3-in-1 solution for inspection needs. Directly integrated behind an injection molding machine, your preforms are carefully fed, oriented and inspected. Bad parts are ejected directly. In addition, you will receive important information about your production process.



FIND OUT
MORE.



Non-contact and non-destructive all-round inspection with eight cameras: The PreWatcher® Inline

The PreWatcher® Inline is the in-line inspection solution for quality control of your preforms. **Within 8 m² of floor space it combines feeding, orientation and inspection.** Thanks to its comprehensive quality statistics including cavity reference, all necessary information is provided to **improve your production process** - in real time.

Personalization parts are adapted to your products to ensure that your preforms are gently handled and presented perfectly to ensure the highest level of inspection precision.

With the PreWatcher® Inline you have the **assurance that you always provide your customers with the best preform quality.** The transport system, developed and patented for the PreWatcher® Inline, allows a complete inspection without blind areas. Six cameras, in front

of which each preform is completely unrolled, one additional camera each for mouth and injection point as well as a photo spectrometer guarantee that **every defect is detected.**

The following inspections are available for the PreWatcher® Inline:

INSPECTION CRITERIA MOUTH

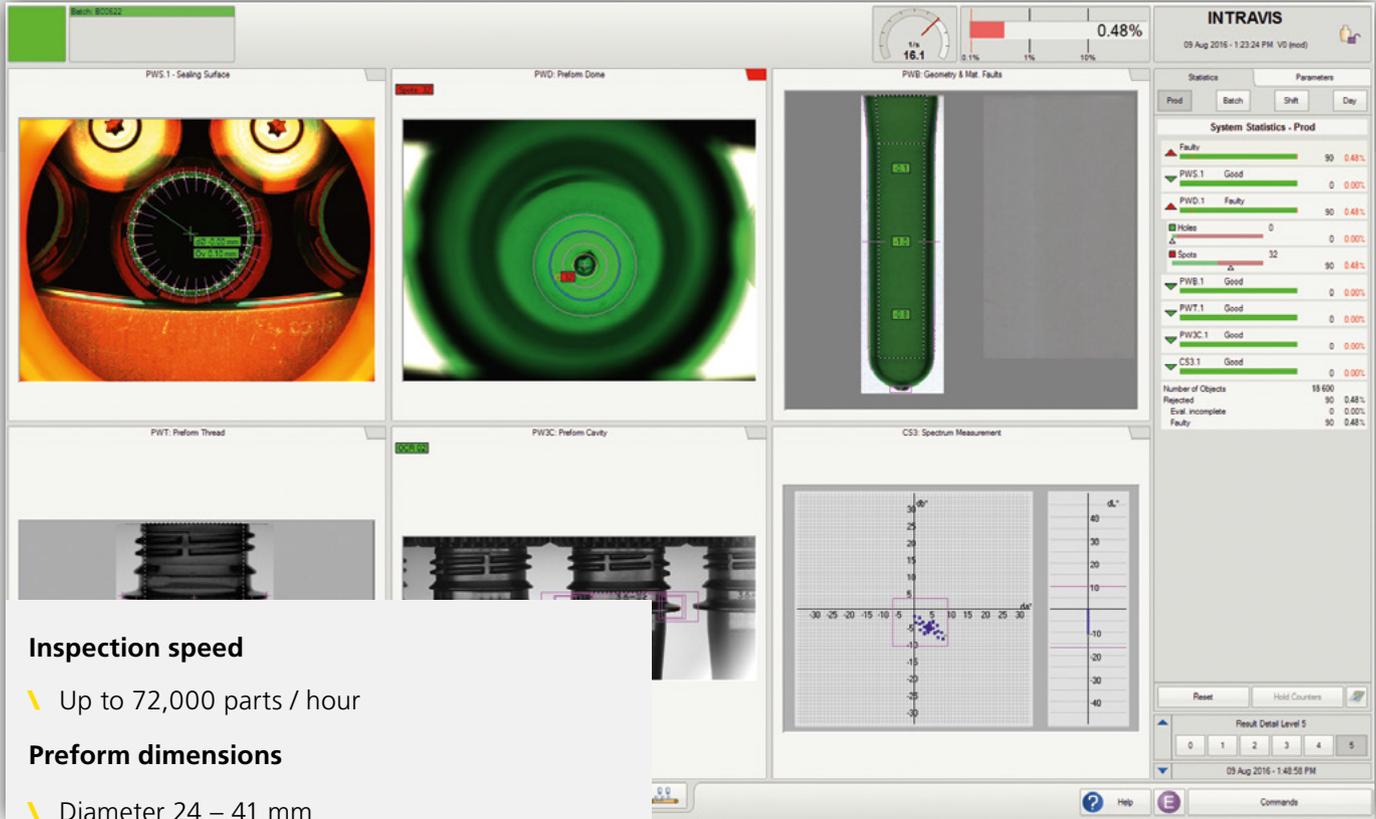
- \\ Diameter
- \\ Ovality
- \\ Short shots and long shots
- \\ Scratches, notches in the area of the sealing surface

INSPECTION CRITERIA THREAD

- \\ Contamination
- \\ Neck height
- \\ Defects at neck support ring

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Inspection speed

- Up to 72,000 parts / hour

Preform dimensions

- Diameter 24 – 41 mm
- Height 48 – 160 mm

INSPECTION CRITERIA GEOMETRY / BODY

- Length, shape
- Diameter
- Gate length
- Unmelts
- Bubbles
- Oil marks
- Burners
- Contamination

INSPECTION CRITERIA INJECTION POINT

- Wells
- Holes
- Contaminations in the area of the injection gate

INSPECTION CRITERIA CAVITY NUMBER READING

- Blacklisting of preforms based on defined cavity numbers
- Cavity-correlated defect statistics

INSPECTION CRITERIA COLOR

- Color and intensity deviations (ΔL *, Δa *, Δb *)
- UV measurement (presence UV blocker)
- IR measurement (presence of barrier material)

If you have limited space in your production and still want 100% control, then choose the PreWatcher® In-line. **We are happy to help. Contact us.**