



SAMPLE-PREWATCHER®

PRECISE PREFORM INSPECTION

The Sample-PreWatcher® provides a high-precision, turnkey vision inspection system for non-destructive inspection of your preforms. It offers the best ratio of inspection scope to inspection speed. As a laboratory system, it provides your quality team with fast and reproducible preform monitoring of complex quality characteristics, with simple operation.



FIND OUT
MORE.



The Sample-PreWatcher®: Precise and extensive measurements inline or offline

With the Sample-PreWatcher® you can check the quality of your preforms as a part of regular production monitoring, or directly after a product change. The system provides you with **a full range of quality lab inspections** – at speeds up to 1,200 preforms per hour. Within just a few minutes, you receive cavity-correlated information about weight, dimensions, color, cosmetic and other defects for a full shot of preforms. This means that you can **make quality decisions many times faster** than relying on manual measurements. This saves you time and money.

In order to make decisions even easier, the information is visually presented within comprehensive statistics and condensed into trends. The entire data can be transmitted via interfaces to analysis software (for example IntraVisualizer®) for further evaluation. This allows you to really learn from your data to monitor and improve the production process.

Strengthen your customers' trust in your products by always delivering the best possible quality. The more data you have on your production, the more confident you can be about the quality of a batch or a delivery. This data is **available to communicate directly into your ERP or CRM system**.

The Sample-PreWatcher® offers perfect support to your quality personnel, to carry out and document inspections safely, **effectively, and with repeat accuracy**.

INSPECTION CRITERIA MOUTH

- \\ Scratches and notches in the area of the sealing surface
- \\ Diameter, ovality
- \\ Flash

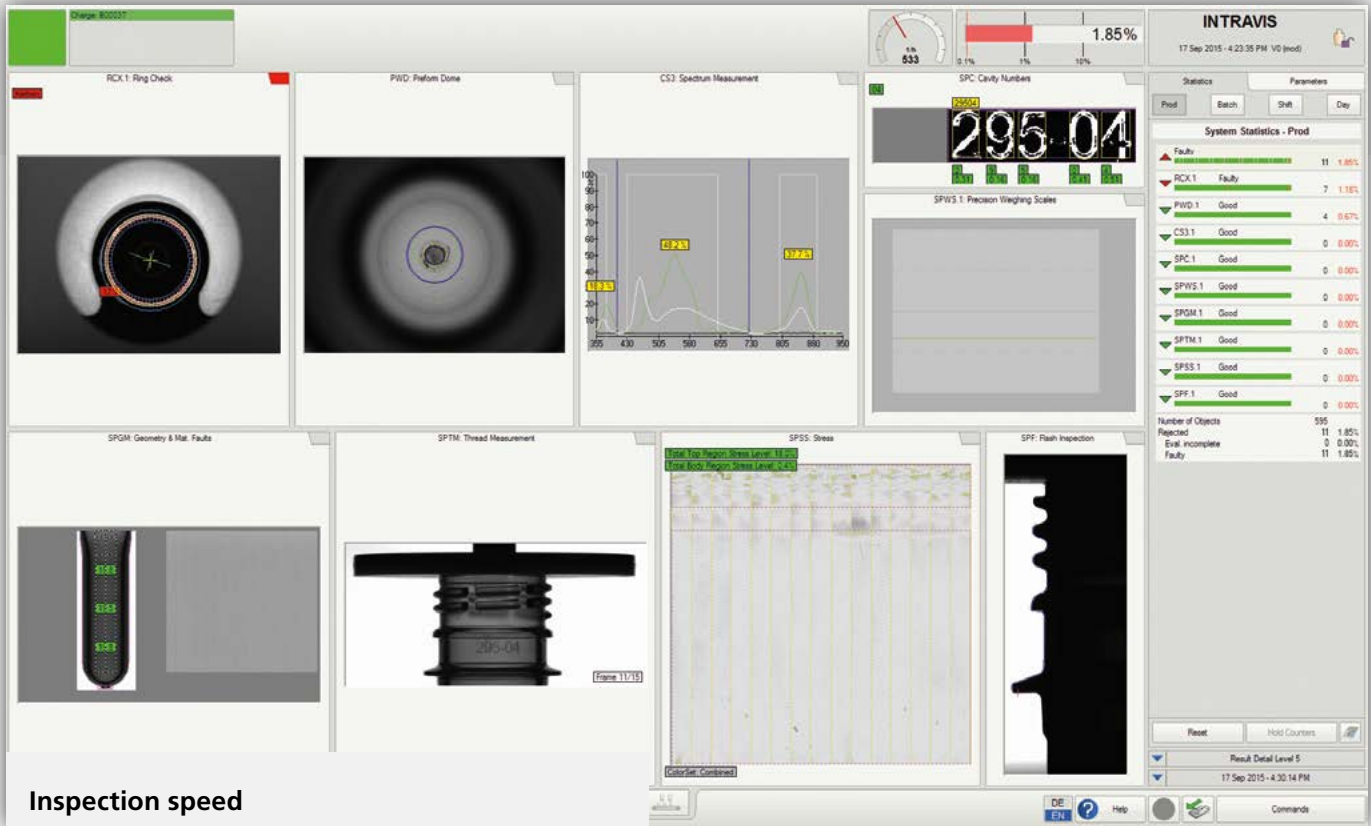
INSPECTION CRITERIA THREAD

- \\ Contamination
- \\ Measurement of all important thread di-mensions
- \\ Short shots and long shots



SAMPLE-PREWATCHER®

PRECISE PREFORM INSPECTION



Inspection speed

- Up to 1.200 parts / hour

Preform dimensions

- Diameter 20 – 45 mm
- Height 70 – 157 mm
- Weight up to 100 g

INSPECTION CRITERIA GEOMETRY / BODY

- Length, diameter, shape, wall thickness
- Length of the injection point
- Unmelts
- Bubbles, oil marks, burners, impurities
- Inner wall damage
- Core shift
- Stress test (polarization)

INSPECTION CRITERIA INJECTION POINT

- Hollows, holes
- Contamination in the area of the injection point

INSPECTION CRITERIA COLOR

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

INSPECTION CRITERIA CAVITY NUMBER READING

- Sorting based on specified cavity numbers
- Cavity-correlated statistics
- Collection of sample sets

INSPECTION WEIGHT

- High precision weight measurement

Many satisfied customers already rely on the Sample-PreWatcher® for the quality control of their preforms. **We will be happy to advise you. Contact us.**