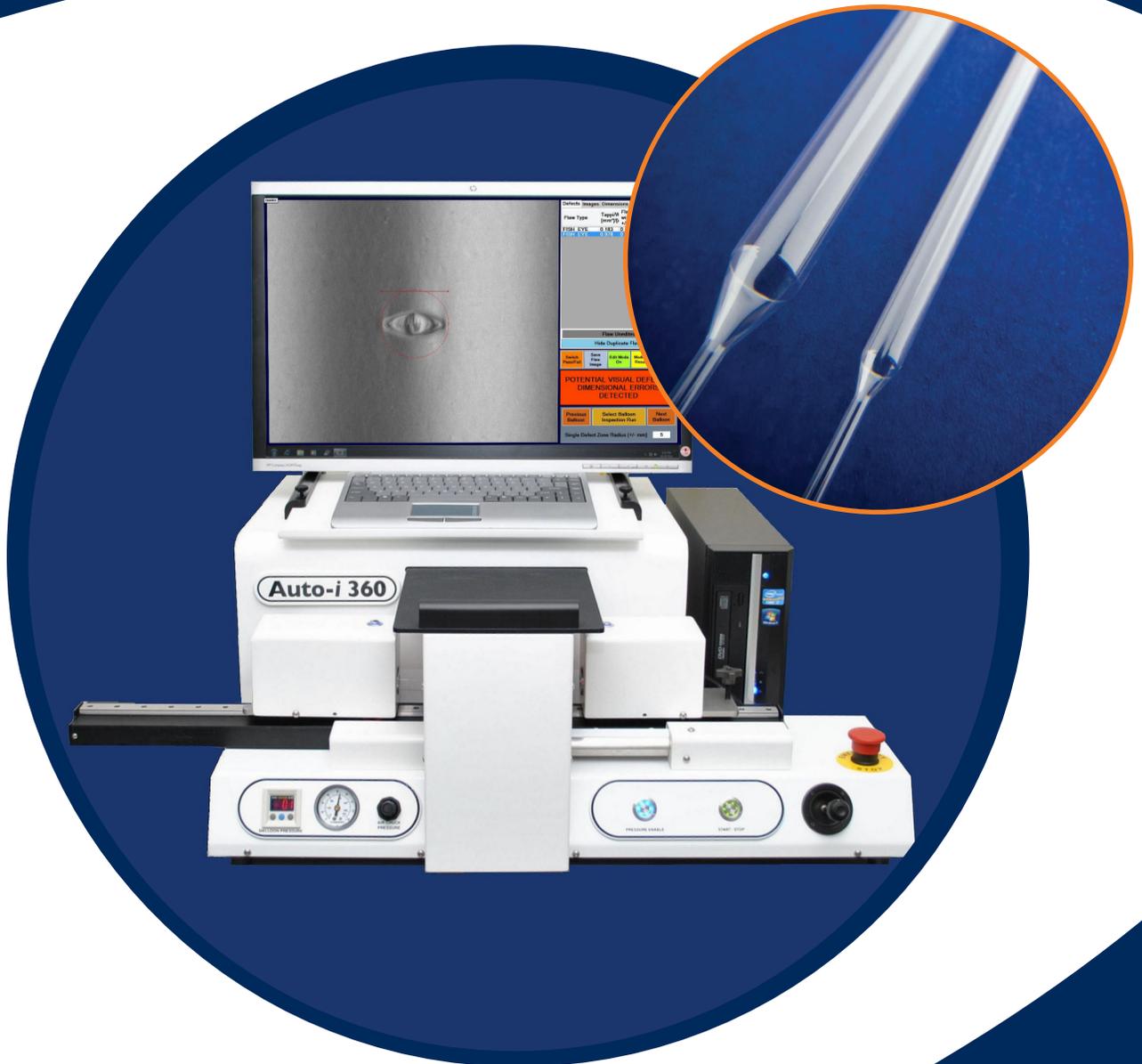


Interface Catheter Solutions

Auto-i 360

Automated Balloon Visual Inspection System



INTERFACE

CATHETER SOLUTIONS



Auto-i 360 Automated Inspection System Improves Quality

Interface Catheter Solutions' Auto-i 360 balloon visual inspection system improves quality control by making it easier to find, identify, and classify defects, including gel spots, fish eyes and embedded material.

The system provides both visual inspection and dimensional measurements of medical balloons in a single operation to add consistency and accountability to the inspection process. Inspection includes classification and size of defects with pass/fail analysis based on user-selected criteria. The Auto-i 360 system operates with a sophisticated vision system and custom analysis software with an intuitive user interface. The Auto-i 360 system provides immediate detailed visual and data reporting used in both manufacturing and research and development.

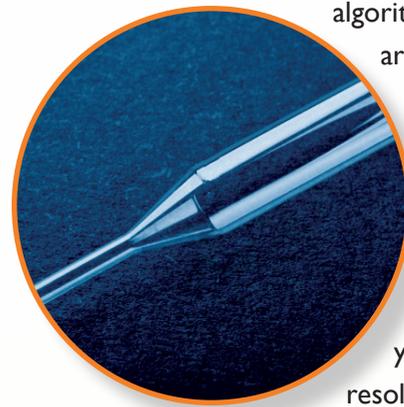
- Visual inspection and dimensional measurements in a single operation
- Classification and size of defects with pass/fail display for operator verification
- High-speed camera and telecentric measuring lens
- Pneumatic rotary air chucks for quick and easy loading and unloading of balloons
- High-pressure capability up to 13 atmospheres
- Enhanced pressure output gauge for pressure accuracy and reliability
- Compatible with compressed air or nitrogen
- Customized to your balloon specifications/sizes



Take the Inconsistency Out of Visual Inspection

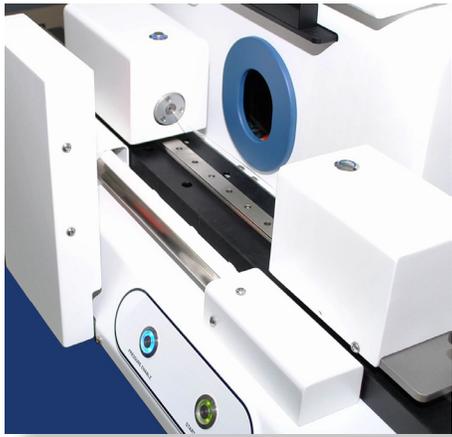
The Auto-i 360 inspection system setup screen lets you select a pre-programmed balloon specification. Or you may enter criteria, including nominal balloon specifications, flaw inspection criteria (such as fish eyes, gel spots) and rotational requirements.

The Auto-i 360 system automatically rotates and inspects the balloon. Once the inspection cycle is complete, the system runs through image-processing



algorithms. The results are summarized in a table with each corresponding image.

The detailed visual reports provide you with high-resolution images to take the guesswork out of pass/fail inspections.



Quick, Easy Setup with Fast Cycle Times

The balloon to be inspected is inserted into a pneumatic rotary air chuck for quick and easy loading and unloading of balloons with a tight, reliable seal, resulting in a quick cycle time inspection process.

The Auto-*i* 360 operates with either compressed air or nitrogen. Recent improvements to the system include higher pressure capability up to 13 atmospheres along with significantly improved pressure accuracy. A new digital pressure output gauge provides improved pressure accuracy reliability.

Simply press “Start” to operate. The Auto-*i* 360 system then captures images moving from side to side while rotating the balloon. An ionizing knife integrated into the system blows static-free air while rotating the balloon under pressure before each inspection, reducing any particles and interference with testing results. The Auto-*i* 360 system then calculates, maintains, stores and provides fast, detailed visual and data reports.

The Interface Catheter Solutions Auto-*i* 360 automated balloon visual inspection system is the new inspection standard for reliable, fast and accurate inspection for improved quality control, training and research and development.

SPECIFICATIONS	
Small Balloon Inspection Model P/N 733046-11 (110v) P/N 733046-21 (220v)	Diameter: 1.25–7 mm Maximum Length: 325 mm Magnification: 40x Resolution: 7 µm
Medium Balloon Inspection Model P/N 733046-12 (110v) P/N 733046-22 (220v)	Diameter: 2.5–18 mm Maximum Length: 325 mm Magnification: 20x Resolution: 14 µm
Large Balloon Inspection Model P/N 733046-13 (110v) P/N 733046-23 (220v)	Diameter: 5–36 mm Maximum Length: 325 mm Magnification: 10x Resolution: 28 µm
Inspection Criteria:	Nominal dimensions with tolerances Flaw inspection criteria, including type, size and spacing Balloon pressure Rotational selection
Balloon Defects:	Fish eyes, gel spots, foreign particulates, bubbles, scratches, crow's feet, zipper lines, stem defects
Rotational Options:	6x60° or 4x90°
Balloon Pressure:	Up to 13 atm
Camera:	High-speed, 5 megapixel resolution
PC Controlled:	Wireless keyboard and flat screen USB port Large storage capacity
Dimensions:	Width: 28.7" W (729 mm); 6" (152 mm) of travel on each side required with tube extended; envelope width ~41" (1041 mm) Depth: 28.3" D (719 mm); extra large lens = 33" (838 mm) Height: 31" (787 mm) with monitor
Weight:	~ 90 lbs
Air Supply:	90-150 PSI
Nitrogen Supply:	225–250 PSI



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