

SETscan[®] allows detailed **visual** and **numerical** **characterization** of spray quality in terms of **cone angle**, asymmetry, streaks, voids and **patternation number**.

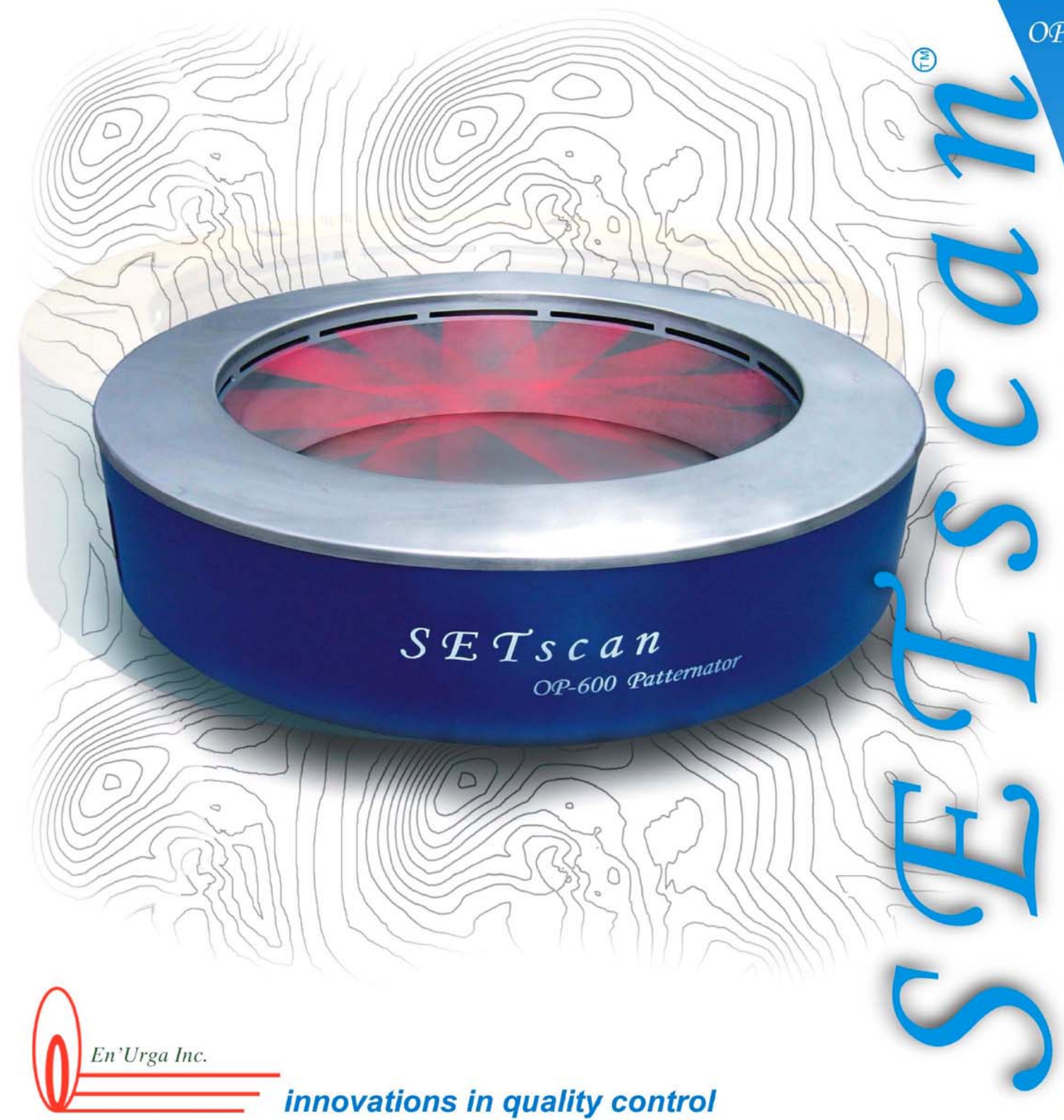
Available Options and Accessories

- SETscan[®] Graphical User Interface
- Connectivity to SQL / Oracle / SAP databases
- Mounting stand
- Self centering nozzle chuck
- Spare lasers and lenses
- Data acquisition system
- Five year service contract

<i>Specifications</i>	<i>OP-600</i>
Maximum radial resolution	0.35 mm
Maximum angle resolution	5 degrees
Power input	120 / 230 VAC, 50 / 60 Hz, 12 W
Maximum diameter of spray	7 inches
Patternation frequency	1000 Hz / 4000 Hz
Weight	125 lbs
Dimensions	diameter: 48 inches height: 10 inches

Covered by US Patent #6184989

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High Frequency Optical Patternator

More **reliable** and **accurate** than competitive technologies
 The **fastest** and **easiest** patternator in the market
 Guaranteed **reproducible** results

The SETscan OP-600 is a high frequency Statistical Extinction Tomography based optical patternator used for the on-line quality control of spray nozzles. Its reliability, accuracy, speed and ease of operation make SETscan the ideal choice for optical patternation.

Patternation at its Best

Visualization tools

- ☐ Cone angle, asymmetry, streaks, voids and patternation number
- ☐ Patternation number for user specified pie, linear and area configurations
- ☐ GUI with point and click operation including one click calibration
- ☐ Contour plot of drop surface area per unit volume
- ☐ Rotatable, 3D plots, transient movies, and data cubes
- ☐ Portability of data to desktop applications and databases

Patternation at its Simplest

ROI implications

- ☐ Faster nozzle testing
- ☐ Lower quality-control costs
- ☐ Quality pricing strategy

Marketing implications

- ☐ Strengthen your technology leadership position
- ☐ Reproducible quality assurance
- ☐ Valuable aid for marketing nozzles

Product quality implications

- ☐ Enables on-line inspection
- ☐ Traceable and warehoused data
- ☐ Quick design verification

Customer satisfaction implications

- ☐ Nozzle quality assurance
- ☐ Product usage optimization
- ☐ Enhanced services

Features

- ☐ Out-of-box deployment capability
- ☐ Mountable in any orientation
- ☐ Easily obtainable patternation results
- ☐ Patternation time as low as 250 μ s
- ☐ Insensitive to nozzle center misalignment
- ☐ Minimal technical expertise required
- ☐ Protection against corrosive liquids
- ☐ Immune to factory floor lighting
- ☐ Very low maintenance

