

SETscan<sup>®</sup> allows detailed **visual** and **numerical** **characterization** of spray quality in terms of **cone angle**, asymmetry, streaks, voids and **patternation number**.

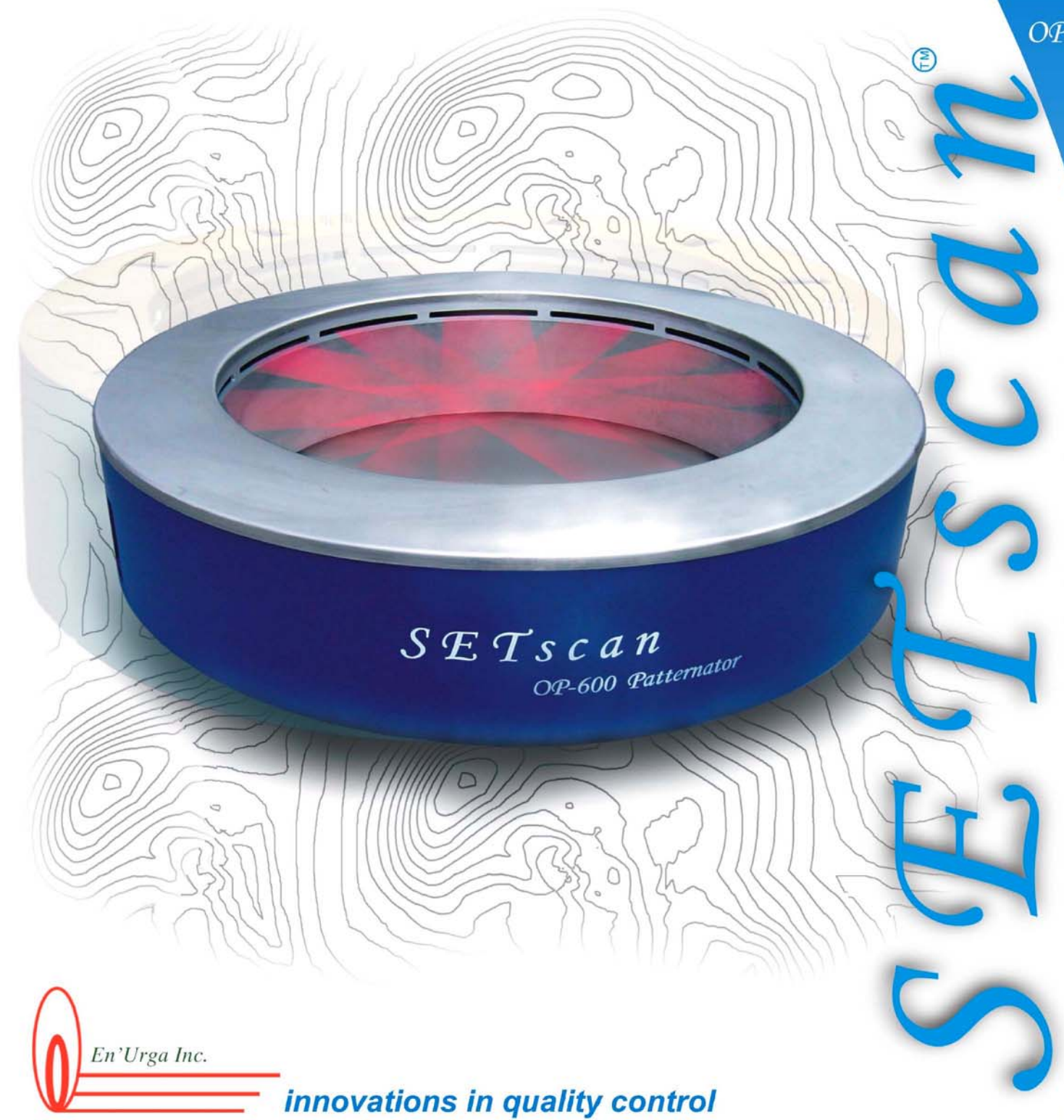
*Available Options and Accessories*

- SETscan<sup>®</sup> 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	0.70 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

*En'Urga Inc.*  
 1291-A Cumberland Avenue, West Lafayette, IN 47906  
 1-877-825-6100  
 www.enurga.com



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 μs
- ☐ Insensitive to nozzle center misalignment
- ☐ Minimal technical expertise required
- ☐ Protection against corrosive liquids
- ☐ Immune to factory floor lighting
- ☐ Very low maintenance

