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

**What SETscan® can do for you**

**Why the SETscan patternator?**
- More reliable and accurate than competitive technology
- The fastest and easiest patternator to operate in the market
- Guaranteed reproducible results

**ROI Implications**
- Faster nozzle testing
- Lower quality-control costs
- Quality pricing strategy for your nozzles

**Marketing Implications**
- Strengthens your technology leadership position
- Reputable 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

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**Specifications**

| OP-400 |  
|--------|--------|
| **Maximum radial resolution** | 0.4 mm |
| **Maximum angular resolution** | 5 degrees |
| **Power Input** | 120/230 VAC, 50/60 Hz, 5.5 W |
| **Maximum diameter of spray** | 4 inches |
| **Patternation frequency** | 1000 Hz/4000 Hz |
| **Weight** | 158 lbs |
| **Dimensions** | Diameter: 4"  
Height: 5" |

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**En’Urga Inc.**  
1291 A Cumberland Avenue, West Lafayette, IN 47906 | Phone 765-497-3269  
Fax: 765-463-7004  
www.enurga.com

**innovations in quality control**
The SETscan® is a high frequency Statistical Extinction Tomography based optical patterner used for on-line quality control of spray nozzles. Its reliability, accuracy, speed and ease of operation make the SETscan® the ideal choice for optical patterning.

**Patternation at its simplest**

**Features**
- Out-of-box deployment capability
- No factory floor setup required
- Mountable in any orientation
- Easily obtainable patterning results
- Patternation time as low as 250μs
- Insensitive to nozzle center misalignment
- Minimal technical expertise required
- Protection against corrosive liquids
- Immune to factory floor lighting
- Very low maintenance

**ROI implications**
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**Marketing implications**
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**Product quality implications**
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**Customer Satisfaction Implications**
- Nozzle quality assurance
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**Visualization Tools**
- Cone angle, asymmetry, streaks, voids and patterning number
- GUI with point and click operation including one click calibration
- Contour plot of drop surface area per unit volume
- Patternation number for user specified pie, linear and area configurations
- Rotatable, 3D plots, transient movies, and data cubes
- Portability of data and graphics to desktop applications