

# CANTY

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## Particle Size Vertical Imaging Microscope

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### SYSTEM ADVANTAGES

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The Cauty **Vertical Imaging Microscope** offers the operator the ability to analyze any product type regardless of intrinsic characteristics. The Cauty system allows for global directional adjustment of the illumination source, which is critical to proper viewing of the sample. Solid samples will require direct front lighting, while transparent or semi-transparent materials will utilize back lighting in varying degrees and directions to obtain the best results.

The sample handling system features precision stages, allowing movement with 6 degrees of freedom and flexibility in sample alignment and viewing. The image sensor is a high resolution CCD device coupled to a micro-zoom lens system with sub-micron capabilities.

The image is displayed on a high resolution monitor, which offers comfortable viewing by one or more scientists/engineers simultaneously.

**JM CANTY INC**  
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### FEATURES

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The **Vertical Imaging Microscope** comes equipped with:

- 360 degree selectable illumination
- Variable light intensity control with memory
- Precision movement sample stages
- Lens magnification for sub-micron particles (optional)
- Color high resolution monitor
- Panel mount controls
- External video connectors for signal processing by Cauty Vector NT™ (optional)
- Optional light filters available for wavelength sensitive materials
- Fiber optic lighting for true shape illumination
- Flow cell attachment option allows instant analysis of liquid product using front, back or side lighting

### APPLICATIONS

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- Laboratory Particle Sizing and Imaging
- Process Sampling

### SPECIFICATIONS

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- Power: 120 VAC , 60 Hz (230VAC / 50 Hz)
- Shutter Speed: variable up to 1/100,000

### SOFTWARE OPTIONS

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- Cauty Vector NT™ particle size analyzer with diameter, area, perimeter and aspect ratio analysis tools
- CUT™ Morphology Software

**JM CANTY LTD**  
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## Ordering Information

How To Order: Select the appropriate symbols and build a model number as shown:

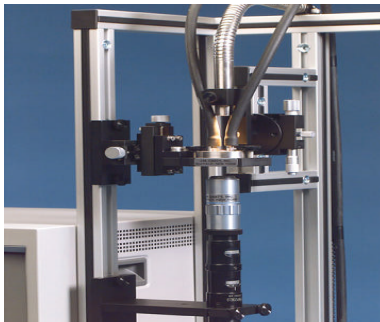
<p><b>LIGHTING OPTIONS</b></p> <p>0 - Standard Lighting 1 - Coaxial and Standard Lighting</p> <p><b>SAMPLE HOLDERS (see below)</b></p> <p>0 - 2-D manual slide holder stage only (included with all models) 1 - Flow Cell 2 - 50 ml liquid sample holder 3 - Motorized 2-D slide holder stage</p>	<p><b>VIM-9 0 0 0</b></p>	<p style="text-align: center;"><b>PARTICLE SIZE RANGE</b></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">0 - 0.6 - 200 micron</td> <td style="width: 33%;">5 - 20 - 7350 micron</td> </tr> <tr> <td>1 - 3 - 1100 micron</td> <td>6 - 100 - 5000 micron</td> </tr> <tr> <td>2 - 5 - 1800 micron</td> <td>7 - 220 - 11,000 micron</td> </tr> <tr> <td>3 - 7 - 2400 micron</td> <td>8 - 640 - 32,000 micron</td> </tr> <tr> <td>4 - 14 - 4900 micron</td> <td>9 - Universal kit for all size ranges listed</td> </tr> </table>	0 - 0.6 - 200 micron	5 - 20 - 7350 micron	1 - 3 - 1100 micron	6 - 100 - 5000 micron	2 - 5 - 1800 micron	7 - 220 - 11,000 micron	3 - 7 - 2400 micron	8 - 640 - 32,000 micron	4 - 14 - 4900 micron	9 - Universal kit for all size ranges listed
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## Product Sample Holders



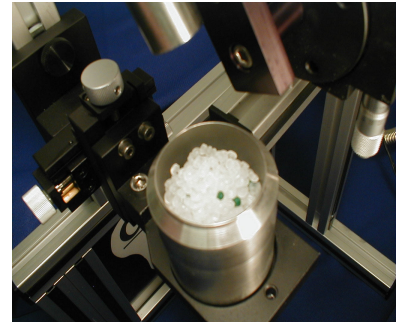
*2-D manual slide holder stage*

Holds standard microscope slides.  
Standard equipment on all systems.



*Flow Cell*

For liquid samples. Portable  
pump and tubing not included.



*50ml liquid sample holder*

316L SS, glass construction.  
Perfect for liquids, slurries.

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