THE SHORTEST PATH TO TOTAL COLOR CONTROL

Total color control

*In seconds, the SXY is ready for operation*

It's as important to you as it is to your customers. In today's competitive printing industry, increasing pressure to adopt reliable process control means objective color measurement. Now with the SXY Scanning Densitometer, color swatches can be measured ANYWHERE on the press sheet. Shorter makeready time and less waste get you up to color fast and means a big improvement in daily production levels.

Point & Click *set-up is as easy as pointing your finger.* Just move the laser pointer on the scan head to the swatch to be measured and "click" the pushbutton to lock its position in memory. A vacuum hold-down ensures sheet flatness and stability. That's it. In seconds, the SXY is ready for operation, handling up to several hundred swatch positions per sheet.

Fast, Accurate

*Advanced 2-dimensional scanning in a few seconds*

Densities are rapidly measured and recorded as the scanning head sweeps across the sheet, methodically evaluating your targeted points along both X and Y axes. The SXY measures absolute or relative density, dot gain, and trap for comparison with your "OK" sheets or reference standards. An entire press sheet can be completely scanned in a few seconds. The SXY lets you switch quickly among sixteen running jobs with a few keystrokes – no need to reinitiate the entire sequence.

Real-Time Analysis

*Intuitive, interactive control helps keep your presses running*

The SXY Scanning Densitometer simplifies total color control. Job setup is simplified by step-by-step instructions on screen that guide you through the operation. Choose from various display modes to review crucial print characteristics such as density, trap, and dot gain. A high-resolution color display continuously shows the relative error of all selected points. Unique graphics make it easy for operators to detect areas that are out of tolerance. As a result, problem areas are quickly spotted and corrected before time and materials are wasted.

Intelligent

*Statistical Process Control (SPC) color evaluation*

The SXY's integrated SPC software program assures that an acceptable level of product quality is maintained throughout the run. The program instantly generates job performance charts which reflect inherent process variability. Color-coded displays and statistical data for each job give readings of minimum, maximum, range, standard deviation, average and reference densities. A frequency histogram charts the distribution reflected from the stored readings. Improve job consistency by sampling just a few representative sheets from the run; immediate informational feedback to personnel compares performance with specifications. The Tobias SPC program provides complete QC documentation from its high-speed thermal printer to your discerning customers.
## SXY™ Specifications

### Design

Densitometric functions:  
- Density, Density Difference, Dot Area, Trap, Contrast, Hue Error, Grayness, SPC

Scan length:
- **SXY-40**: 40" (1016mm)
- **SXY-65**: 65" (1651mm)

Sheet size:
- **SXY-40**: 30" x 40" (762x1016mm)
- **SXY-65**: 46" x 65" (1168x1651mm)

Colors measured:
- 4/c process, unlimited "special"

Maximum measurements per scan:
- Unlimited

Typical scanning time:
- Under 60 seconds

Swatch positioning accuracy:
- ±0.005"

SVGA display:
- **SXY-40**: 15" color, 0.28 mm dot pitch
- **SXY-65**: 17" color, 0.27 mm dot pitch

Printer speed:
- 1000 cps

Power requirements:
- **SXY-40**: 115V/60Hz, 7A; 230V/50Hz, 3.5A
- **SXY-65**: 115V/60Hz, 10A; 230V/50Hz, 5A

Spectral response:
- Status "T" European filter response
- (Opt.) Status "E"

Network output (Opt.):
- Consult Tobias

### Dimensions/Weight

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimensions</th>
<th>Weight</th>
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<tbody>
<tr>
<td><strong>SXY-40</strong></td>
<td>70&quot; x 46&quot; x 58&quot; (1778 x 1168 x 1473 mm)</td>
<td>500 lbs. (340 kg)</td>
</tr>
<tr>
<td><strong>SXY-65</strong></td>
<td>94&quot; x 58&quot; x 61&quot; (2388 x 1473 x 1549 mm)</td>
<td>800 lbs. (818 kg)</td>
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### Standard Accessories

- Built-in Ceramic Calibration Plaque
- Hi-Speed Thermal Printer
- Instruction Manual
- Tool Kit

### Optional Accessories

- Management QC Station
- Remote Display Station
- Viewing Light with gallows
- Tethered Spectrophotometer

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**Applications Assistance and Technical Support**

Tobias provides complete applications assistance to help define and address your performance requirements. The Tobias sales team can recommend how the unique capabilities of the SXY are perfectly suited to boxboard, label, specialty, commercial, publication printers and other industries.

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