



TOBIAS
ASSOCIATES, INC.

SXY™

2-Dimensional Scanning Densitometer



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 key-strokes – 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

SXY-40	70" x 46" x 58" (1778 x 1168 x 1473 mm) 500 lbs. (340 kg)
SXY-65	94" x 58" x 61" (2388 x 1473 x 1549 mm) 800 lbs. (818 kg)

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

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 box-board, label, specialty, commercial, publication printers and other industries.



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