MICRO-CHECK®
Test Instruments For Cylinders and Rolls

MICRO-CHECK® X-Y-Z™ SOFTWARE FOR MICROSCOPIC VIDEO MEASURING

SHIMA

Micro-Check® X-Y-Z™ Software

Easy to lear

Simple a

Microscopic Computerized Video Inspection and Measuring

For engraved cells on rotogravure cylinders and anilox rolls

Advanced Measurement Features :

▲ Automatic Targeting of X-Y axes in one or more open channel or closed cells and multiple cells, permitting foolproof, repeatable measurements

▲ Averaging of Multiple Targeted Cells

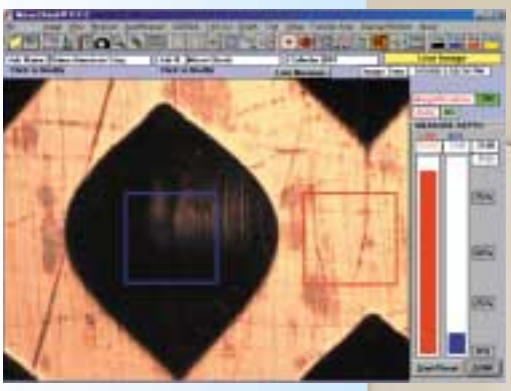
▲ Manual "Z" Axis Depth Measurement

▲ Multiple Image Measuring and Comparison: Test Cut—automatically measures up to 16 images at one time. Targets shadow, midtone, highlight and open channel cells . . . Compares up to 16 saved images simultaneously.

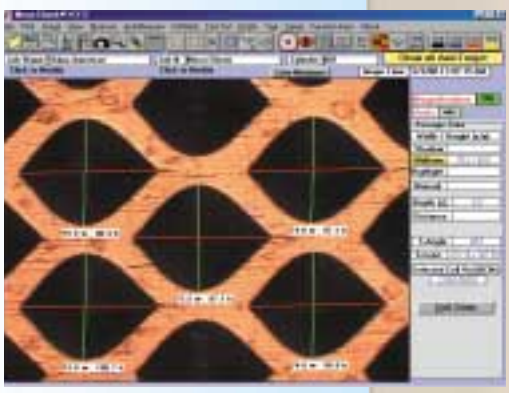
▲ Statistical comparison screen compares two selected images and data on a 1 to 1 basis.

▲ Software database allows easy tracking and storage of data and images; data can be exported into Excel spreadsheet.

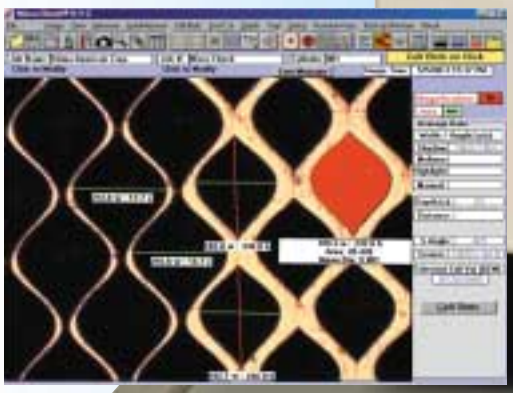
▲ Cell measurements including:
- ▲ area ▲ screen angle ▲ % coverage
- ▲ volume (theoretical)
  - for electronically engraved cells;
  - laser engraved ceramic cells;
  - machine engraved pyramid, quadrangular and tri-helical;
  - chemical etched cells;
  - ink dot;
  - flow cells;
  - screen cells.



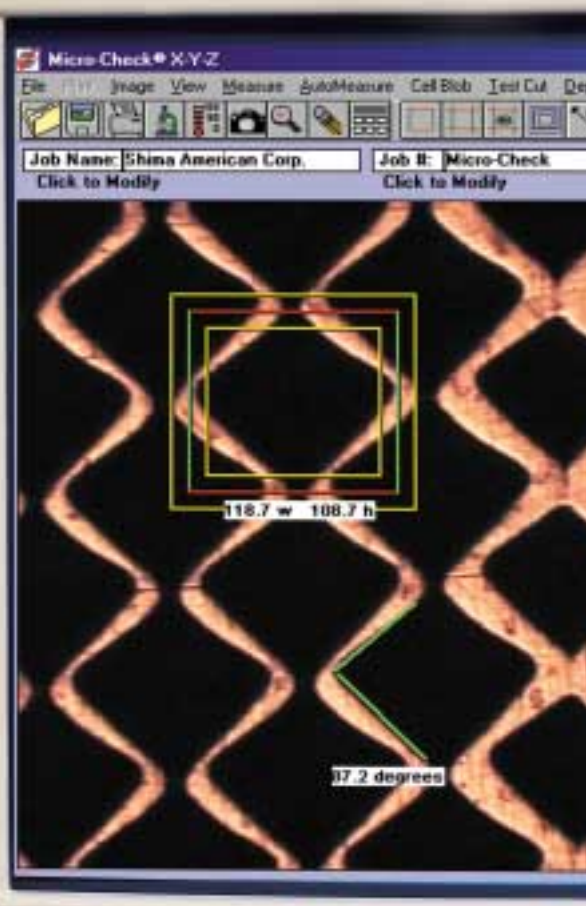
▲ ***Depth (Z-Axis) with focus bar***



▲ ***Averaging of multiple targeted gravure cells***



▲ ***Cell Blob with area measurements***



▲ ***Video M***

Micro-Check® X-Y-Z™ software enables

Provides precise measurements (<1

Images and measurements shown on-screen can

MICRO-CHECK®
Test Instruments For Cylinders and Rolls

rn and use!

as X-Y-Z.

leasurement

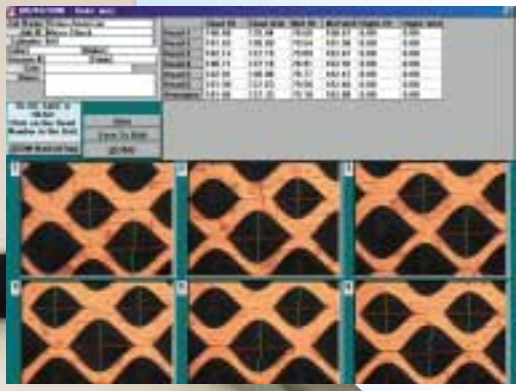
you to view, measure and store images.

micron) on three axes: X, Y and Z.

be printed and/or saved in the software database.

▲ ***Laser engraved cells on anilox roll***

▲ ***Auto Targeting of multiple sized gravure cells***



▲ ***Test Cut report of multiple gravure engraving heads***

Featured Enhancements:

▲ Live, On-Screen Measuring: basic measurements can be made "live" including focusing.

▲ Focus Bar: provides a "thermometer" scale to indicate optimum focus. Available on "live" image and depth (Z).

▲ Project Management: job name, customer name, roll number, date, time, magnification and measuring units on each saved image.

▲ On-Screen Remote Focusing and Lighting Adjustments: available only on Tegatron Micro-Check® PC Rollscope Systems.

Basic Measurements:

X,Y Box . . . X, Y Box with +/- Tolerances . . . Auto Box with preset size box . . . Point to Point . . . Angle . . . Auto Blob cell area . . . Zoom and Pan function permits highly accurate targeting of points . . . Calibration data is saved with each image

Other Software Features

- ▲ Color coded lines identify each measurement.
- ▲ Color coded objectives easily identify proper magnification to be selected on computer.
- ▲ Twelve Magnifications can be calibrated: 1X, 2X, 4X, 5X, 10X, 20X, 25X, 40X, 60X, 80X, 100X and one additional magnification
- ▲ Four Measurement Units: microns, millimeters, mils and inches
- ▲ Optional Text: special labeling anywhere on the image

▲ *Inspection Applications*

Electronic, direct etch or laser engraved gravure cells

Laser engraved ceramic or machine engraved anilox rolls

Rubber or photo polymer flexographic plates or rolls

Printed or proofed substrates—rotogravure, flexographic, offset and rotary screen

Diamond tools to determine life

Doctor blades to determine wear

Micro-Check® PC Systems

Micro-Check® X-Y-Z™ Software is exclusively installed on Tegatron and Micro-Check® PC Rollscope Systems

The advanced features of the Micro-Check® Software are available on:

TMC System **Tegatron Rollscope with Micro-Check® X-Y-Z™ PC System**

EMC System **Eco Rollscope with Micro-Check® X-Y-Z™ PC System**

UMC System **Uni Rollscope with Micro-Check® X-Y-Z™ PC System**

Ask your Shima representative for complete specifications and pricing.

Specifications are subject to change without notice.
We reserve the right to upgrade Micro-Check® Software to offer you the finest quality products available.

Micro-Check® offers a one year limited warranty on software.

Tegatron Systems, Micro-Check® Systems and Micro-Check® X-Y-Z™ Software are available world-wide exclusively from Shima American Corp. and authorized distributors.

Proud Member of

FTA GAA GRAVURE CYLINDER USERS GROUP PLGA Packaging & Label Gravure Association Flexible Packaging Association AIMCAL

Exclusively from

SHIMA

Sales Division of Shima American Corp.
171 Internationale Blvd. • Glendale Heights, Illinois 60139 U.S.A.
Toll-Free Phone: 1-877-TRU-GRIT (1-877-878-4748) • Toll-Free Fax: 1-877-889-4182
Phone: 630-871-8900 • Fax: 630-871-4574
Website: www.micro-check.com • e-mail: info@shimausa.com