

# **PIT-Particle/Print Inspection Tool**

**SIBRESS  
ITALY**

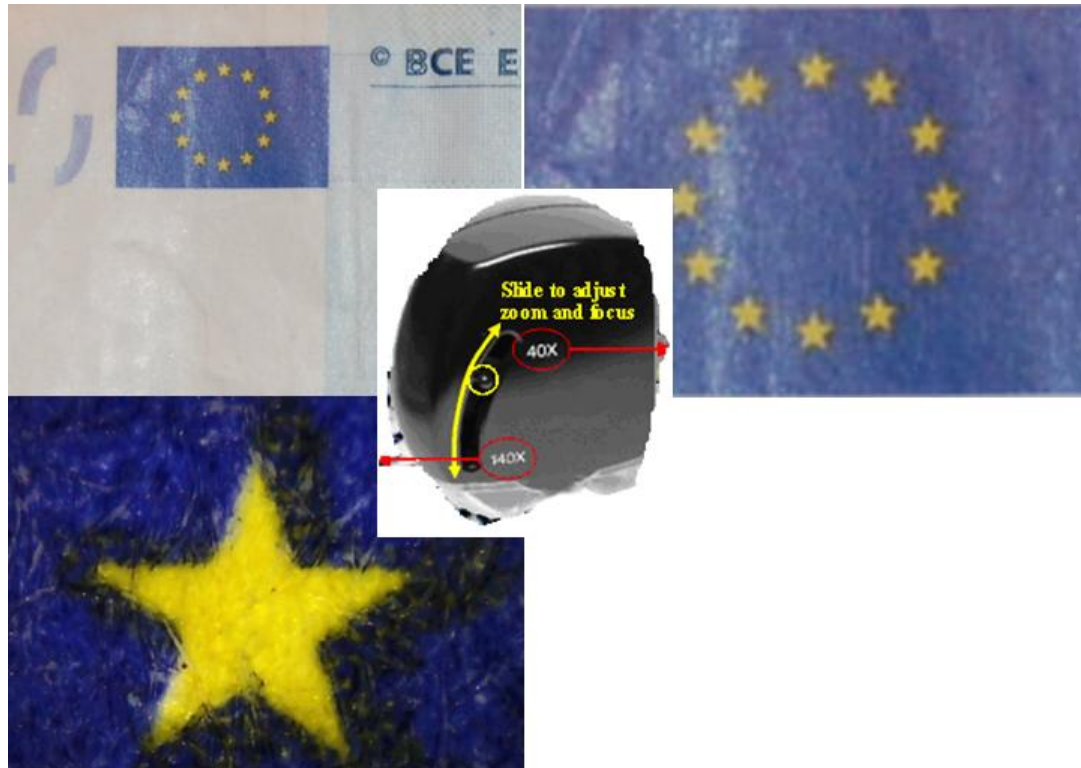
Vinzenz Goller Weg 56  
39040 St.Andrea-Bressanone  
Tel/ Fax:+39 0472206532  
[Info@sibress.com](mailto:Info@sibress.com)

# PIT-Particle/Print Inspection Tool

- What is PIT  
A handheld small digital Microscope  
The use is for inspection of even the smallest particles to enable the user to make images of these particles, materials like:
  - Paper, Metal, Plastic and so on
- Target use  
For all who want to photograph, digitize these small items  
For documentation of errors, to analyze  
and/or  
To combine images simply with comments and to simply e-mail them.

# PIT-Particle/Print Inspection Tool

- What is the Microscopes range to enlarge particles:
- Effective enlargement 318% / on an 19inch monitor
- plus up to 400% digital magnification of the captured image



# PIT-Particle/Print Inspection Tool

- Technical Specification
- USB2 Port is required

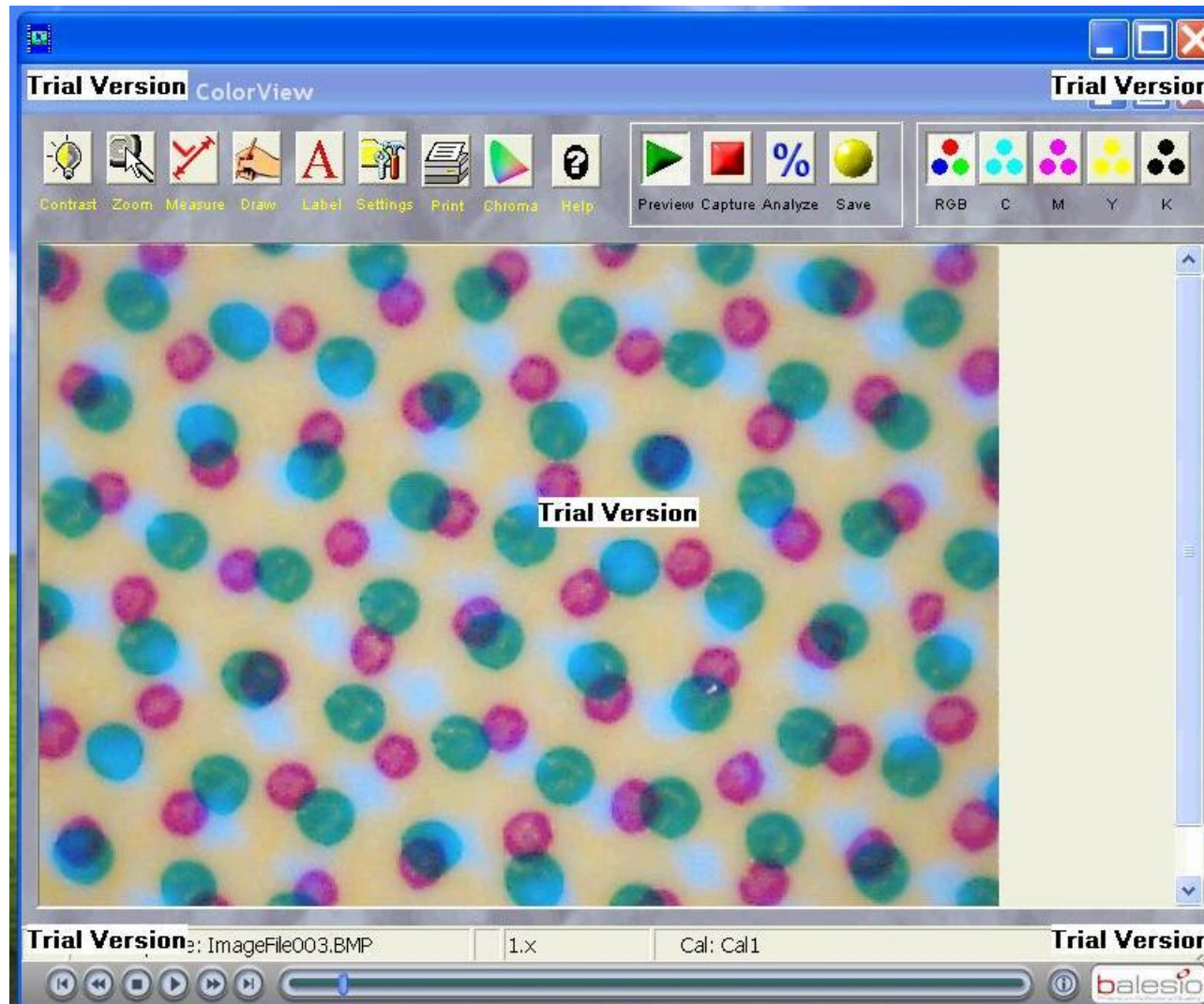
Image Sensor: 1/3" CMOS  
Pixels: 640 x 480  
Power: USB port  
Light Source: High-output white LEDs  
Field of View  
    @40X: 7.5 x 10 mm  
    @140X: 1.8 x 2.5 mm  
Resolution: 4 microns @ 140x magnification

## Computer Requirements

Pentium III 500MHz or greater,  
Windows 2000/XP, DirectX 8.1 or greater, Internet  
Explorer 5.0 or greater, USB port.

# PIT-Particle/Print Inspection Tool

## Applikation Images



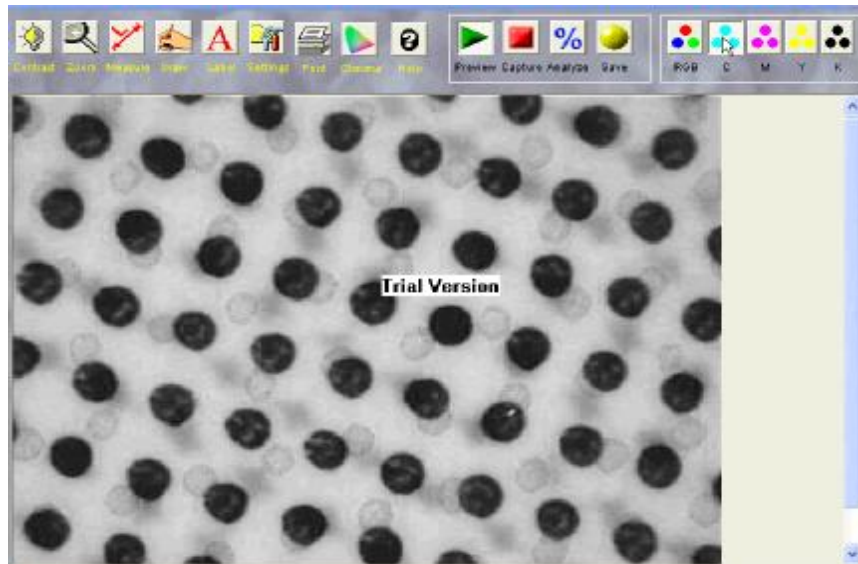
\*Highlights

from 40 to 140 times  
magnification

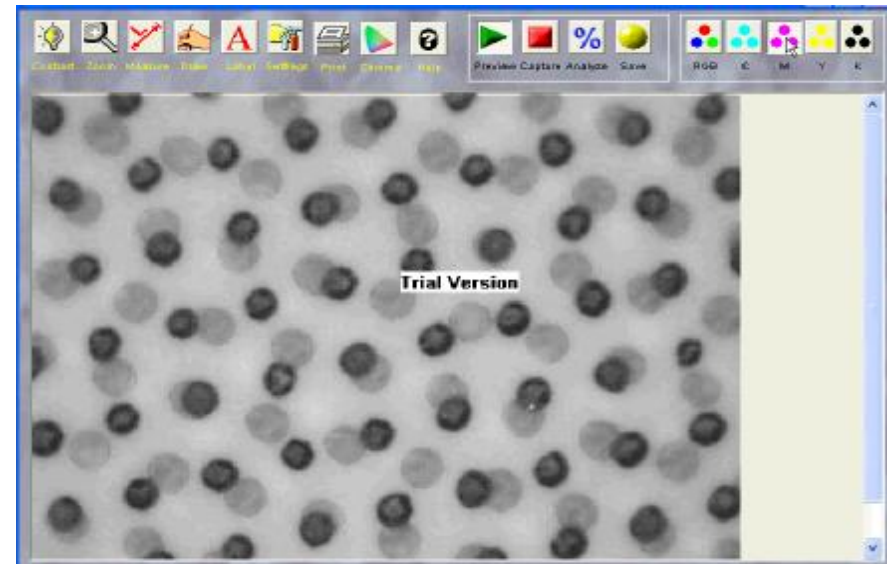
- Simple to use
- Symbol based GUI
- Saving of CMYK color separations
- View CMYK channel
- Camera calibration for CMY
- Measure Diameter, length and distance of smallest items
- Various tools to measure
- Mark individual image particles
- User Calibration possible

# PIT-Particle/Print Inspection Tool

## Applikation Images



Cyan Chanel separated



Magenta Chanel separated



# PIT-Particle/Print Inspection Tool

## Applikation Images



Enlargement of a printing dot



Measurement of a printing dot  
With numerical information for  
diameter, distance, length and so on!