



## QUALITY ASSURANCE OF PASTE PRINTING

MTEK OPTIMO is a solution that ensures repeatability and accuracy of the solder paste printing process and the related measurement equipment.

The solution is a cost effective way to evaluate and secure the following areas:

- ▶ **PROCESS PARAMETERS:** Find and tune your printing parameters towards true process optimization for your products and production environment.
- ▶ **EVALUATION OF NEW MATERIAL AND MACHINERY:** Evaluate the impact and effects of new equipment and materials such as solder paste, stencils, board support, wiping paper etc.
- ▶ **VERIFICATION:** Simple verification of the status and capability of your solder paste printing production equipment and the related consumables.
- ▶ **MAINTENANCE:** Implement and monitor status-based maintenance or verify that suppliers have performed their maintenance correctly.
- ▶ **ENVIRONMENTAL PARAMETERS:** Investigate the impact of temperature, humidity or other environmental deviations in your production environment.

Conquer your solder paste printing challenges and enable true process development. Create simplicity in a complex process by eliminating variations.

### WHY?

#### BENEFITS

- ▶ PRINT OPTIMIZATION METHODOLOGIES
- ▶ SECURE SOLDER PASTE PRINTING AND INSPECTION EQUIPMENT
- ▶ EVALUATE MATERIAL AND MACHINERY

### CONTENTS

#### METHODOLOGY

- ▶ PRINTING PROCESS
- ▶ VERIFICATION
- ▶ INTERPRETATION
- ▶ ADJUSTMENT

#### SECURE SOLDER PASTE INSPECTION

- ▶ REPEATABILITY
- ▶ ACCURACY
- ▶ PROCESS MANAGEMENT

#### SOLDER PASTE INSPECTION TOOL

- ▶ RESISTANT
- ▶ SIMPLIFIED GAUGE R&R
- ▶ ENTIRE MEASUREMENT AREA IS VERIFIED

#### SECURE PRINT PROCESS

- ▶ PRODUCT NEUTRAL TOOL
- ▶ DEFINE DIFFERENCES WITHIN THE ENTIRE PRINT AREA
- ▶ LARGE PRINT AREA

#### SOLDER PASTE PRINTING TOOL

- ▶ HIGH SENSITIVITY
- ▶ LARGE VARIETY OF PAD AND APERTURE SIZES AND FORMS

Would you like to know more?

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