

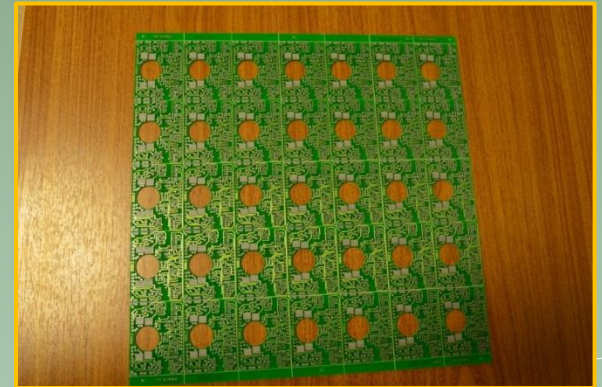
Technology



PCB MOUNTING WITH PERFORMANCE FROM SMALL PARTIES TO SERIES OF SOME THOUSANDS PCBs PER SHIFT



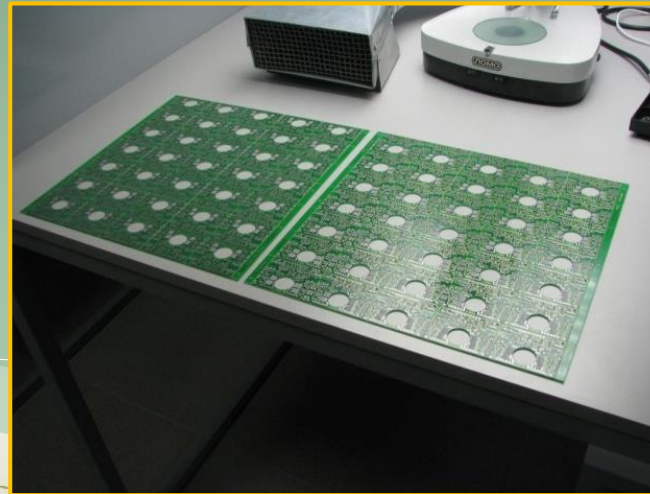
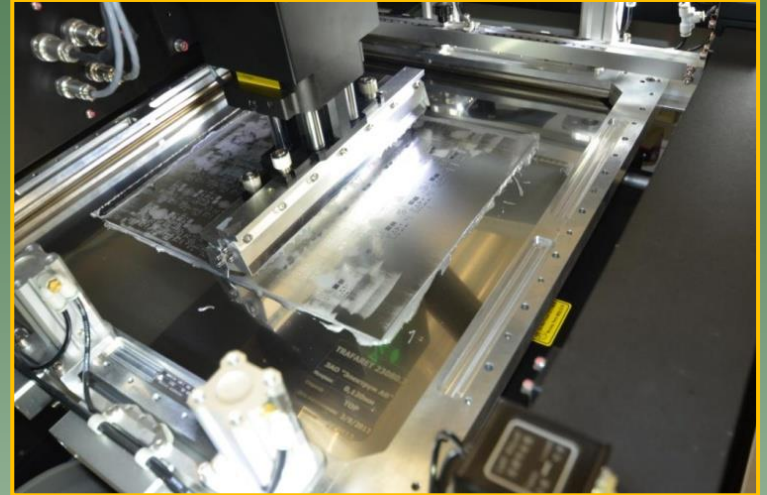
DRIVER BOARD PREPARING OF IGBT-TRANSISTORS



**AUTOMATIC SCREEN PRINTER FOR APPLYING
SOLDERING PASTE**

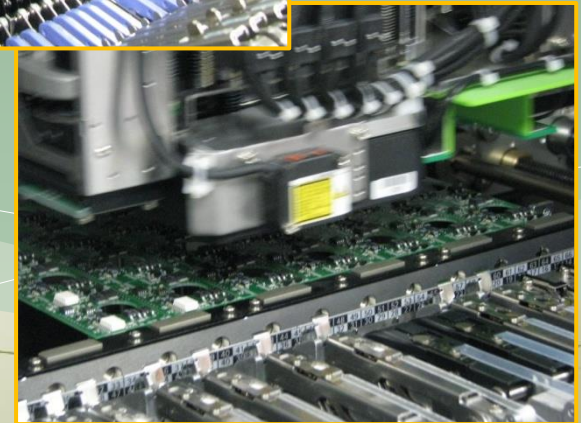
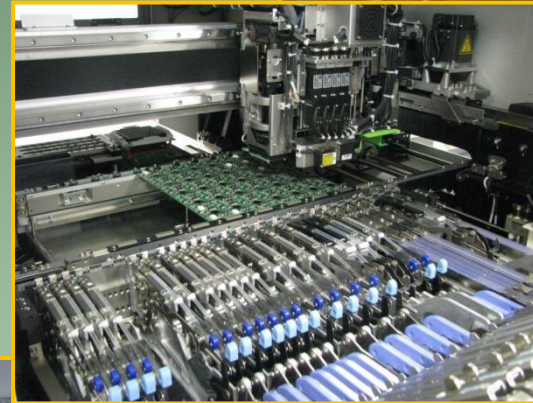
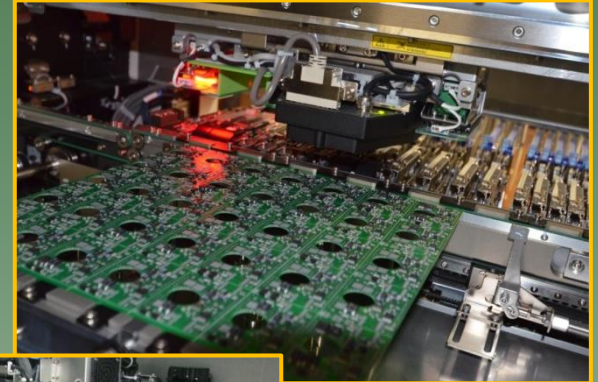
**SCREEN PROVIDES AUTOMATIC COMBINING SCREEN
AND PCB**

**PRINTER HAS AUTOMATIC SCREEN CLEANING
FUNCTION**



MACHINE FOR CHIP-COMPONENTS INSTALLING IS EQUIPPED WITH 2 TURRETS.

- **MINIMUM COMPONENTS SIZE – 01005**
- **PERFORMANCE – UP TO 40000 COMPONENTS PER HOUR**
- **OUTPUT PITCH – FROM 0.3 MM**
- **MOUNTING OF ANY CURRENT ELEMENT BASE FROM TNT-COMPONENTS TO SURFACE MOUNTED SMD-COMPONENTS**

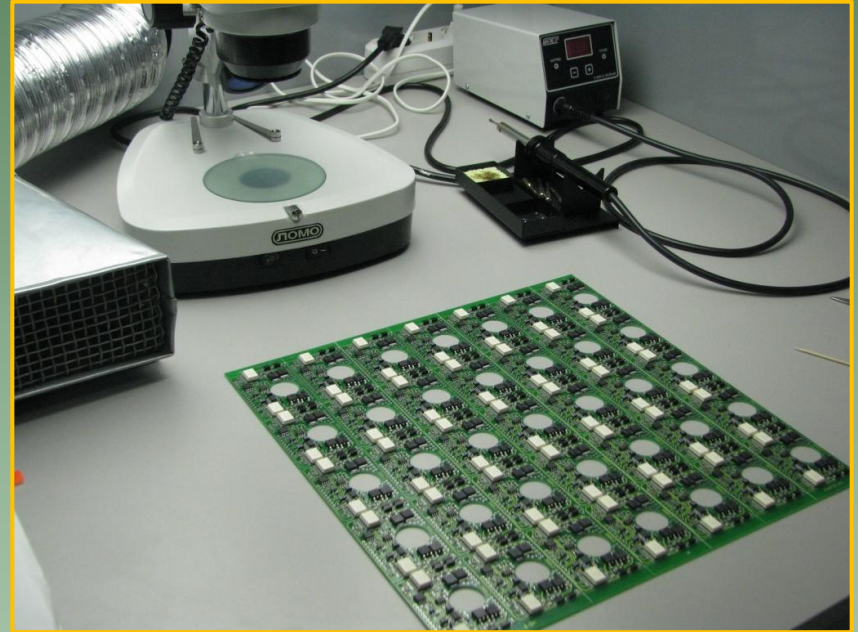


REFLOW SOLDERING IN NITROGEN.

10-ZONE SOLDERING PASTE REFLOW OVEN ALLOWS SOLDERING BOTH LEAD (PLUMBUM) CONTENT AND NON-LEAD COMPONENTS TECHNOLOGY USING DIFFERENT THERMAL PROFILE FOR SOLDERING OF ELECTRONIC BLOCKS

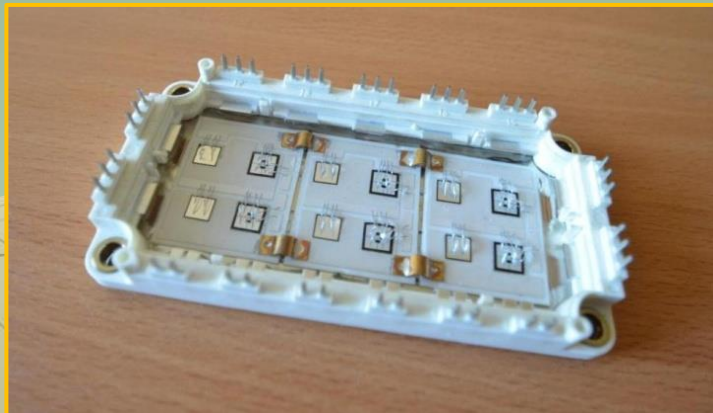


**VISUAL CONTROL VIA STEREO ENLARGING MACHINE
"MANTIS ELITE" AND MEASURING MICROSCOPE
"KESTREL"**



SEMI-AUTOMATIC DEVICE FOR CONNECTION WIRE OUTPUTS
MADE FROM ALUMINUM TO CONTACT CRYSTAL LANDS AND
HOUSING USING A METHOD ULTRASONIC WELDING

THE AUTOMATIC PROVIDES THE OUTPUTS CONNECTION WITH
DIAMETER 100 μm , 300 μm or 500 μm



AN EXAMPLE OF UNWELDING OF POWER IGBT-
MODULE OF THE SECOND GENERATION

SETUP OF STATIC AND DYNAMIC PARAMETERS OF FRD, BJT, MOSFET, IGBT-MODULES

- MEASURING VOLTAGE FROM 1 μ V TO 4500 V
- CURRENT FROM 1 nA TO 1000 A
- RESOLUTION AT DYNAMIC PARAMETERS MEASURING FROM 1 nS



HEAT AND COLD CAMERAS USED FOR PRODUCT CHECKING IN TEMPERATURE RANGE FROM -70 °C TO +125 °C

CAMERAS ALLOW YOU TO TEST THE EFFECTS OF HIGH HUMIDITY, FROST, DEW

FOR CARRYING OUT MEASUREMENTS IT IS USED THE DIFFERENT EQUIPMENT, INCLUDING WHICH ALLOWS PROVIDING LONG-TERM RELIABILITY TESTS



Registered address:
5, Naugorskoe highway, Orel town, 302020, Russia

Phones :

CEO: +7(4862) 44-03-46

Marketing: +7 (4862) 44-03-45, 44-03-47 , 44-03-48 , 44-03-67

Design Dept.: +7 (4862) 44-03-91

Electronics Dept.: +7 (4862) 44-03-94

Fax +7(4862) 47-02-12 , 44-03-44

www.electrum-av.com

E-mail: mail@electrum-av.com