

EQUIPMENT FOR SEMICONDUCTOR POWER MODULES PRODUCTION AND TEST



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DCB MASTERCARD DIVIDER

from mastercard magazine to magazines of single modules MV inspection no any human touch fully automatic

SELECTIVE SOLDERING Of POWER LEADS on DCB

no oven required no fixtures multiproduct quick set-up fully automatic

PRESSFIT PIN on DCB SELECTIVE SOLDERING

pin cutting from reels 3D AOI control robotic arm handling no oven, no fixtures required multiproduct; quick set-up fully automatic

DISPENSING

glue dispensing UV curing in vacuum dispensing silicones (A+B) precision weighing



... FROM DCB MASTERCARD TO THE FINISHED MODULE, READY FOR THE SHIPMENT

ASSEMBLING - CASING

DCB & BASEPLATE DEVICES

glue dispensing UV curing case attaching silicone (A+B) filling precision weighing bushes pressing 1 ton multiproduct quick setup fully automatic

HOT IRON SELECTIVE SOLDERING of

power modules on PCB boards,

- ... odd components
- ... power connectors

... automotive parts 4 axis CNC equipment manual loading or

fully automatic

HANDLER – MARKER for PARAMETRIC TESTER DCB & baseplate modules

cold & hot parametric test, high voltage insulation test laser marking class sorting, machine vision controls. multiproduct fully automatic

HANDLER – MARKER for FULL POWER TESTER DCB & baseplate modules

cold & hot dynamic test, high voltage insulation test laser marking class sorting, machine vision controls multiproduct fully automatic











BLUE POWER

Sinax LB 35

Selective soldering robot BLUE wavelength laser cleanroom ready traceability functions AOI function otional LASER SELECTIVE SOLDERING for power leads, wires, ceramic sensor, microelectronic devices, ...

powered by Sinergo Sinlas IR laser fully automatic very high speed wire cutting + trimming wire from reels cleanroom ready 3D AOI controls

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WAFER TESTING TRR measurement by robotic arm driven by machine vision

test handler equipment diode TRR measurement fully automatic wafer handling cleanroom ready traceability functions

WAFER TESTING, MARKING, LASER ABLATION

TRR measuring robotic wafer handling die laser ablation/killing cleanroom ready 5"-6" wafer; dice > 40 mils fully automatic





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TWIN PIN TWISTING + AOI

AOI input controls Pressfit pins measurement Twin Pin twisting: controlled torque and angle high performance AOI fully automatic Multi-products Traceability functions clean room ready

"E-MOBILITY INVERTER"

Power board assembling & soldering 3D AOI inspection IPC610 robotic handling conveyor line model Traceability functions MES functions

"AUTOMOTIVE SENSOR"

assembling & Soldering robotic handling hot & cold test 3D AOI inspection IPC610 in line programming µP on device laser marking conveyor line model full traceability



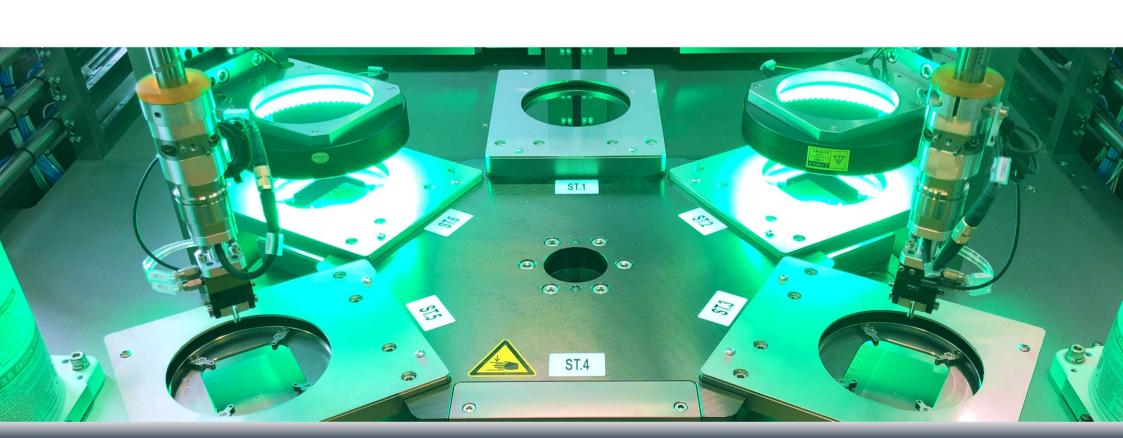








... FROM DCB MASTERCARD TO THE FINISHED MODULE, READY FOR THE SHIPMENT





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30 years

established 1991

