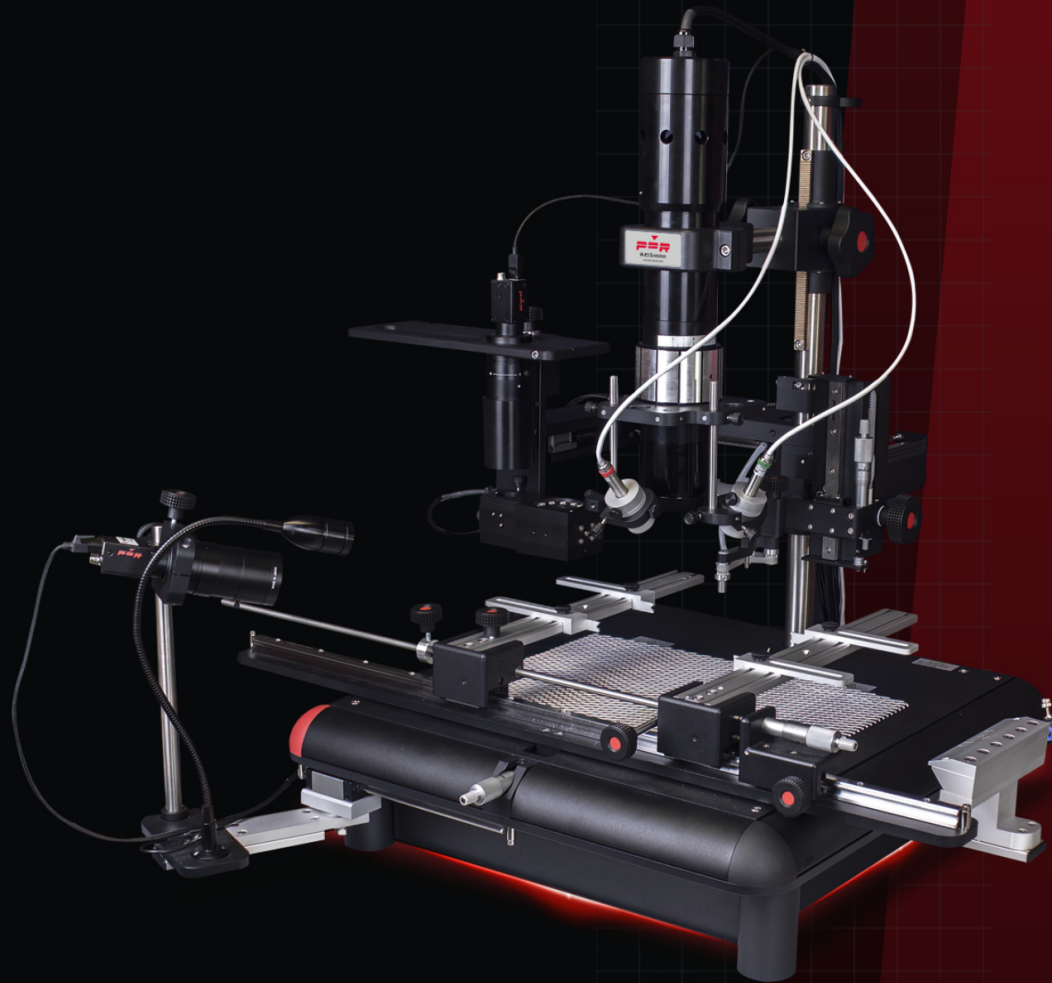


PDR FORENSICS

CHIPMATE PRO. CONTROLLED CHIP-OFF.

Forensic laboratory system with non-contact sensing, evidence capture and precision placement.



THE LABORATORY STANDARD.

Temperature-controlled Focused IR. Stored thermal profiles. Designed for forensic laboratories.

WHY CHIPMATE PRO?

THE LABORATORY STANDARD.

For laboratories that want the thermal process, the evidence record and precision placement capability in one platform.

01 DUAL NON-CONTACT SENSING

Track component and PCB temperatures independently without attaching a thermocouple to the board.

WHY IT MATTERS

Clear process visibility with separate thermal targets.

02 DATE/TIME EVIDENCE

Capture side-view images during reflow and lift-off with date and time stamp.

WHY IT MATTERS

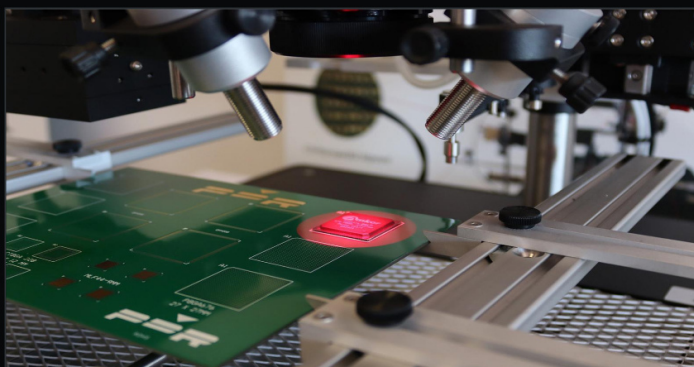
Documents the physical preparation stage for the case record.

03 SPLIT-BEAM ALIGNMENT

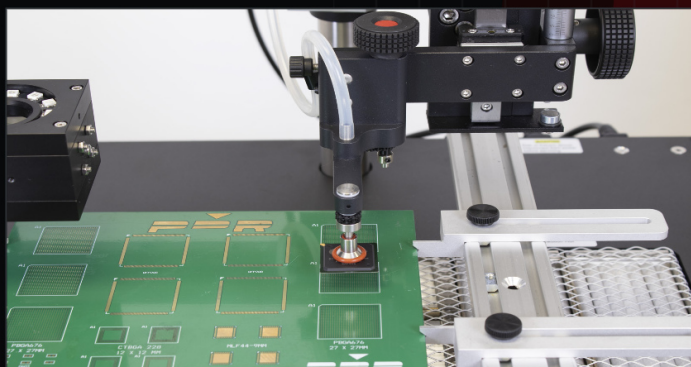
Align recovered components to donor PCBs with placement accuracy up to 10 μm .

WHY IT MATTERS

Makes controlled chip-transfer and component replacement practical.



FOCUSED INFRARED | TARGETED COMPONENT HEATING

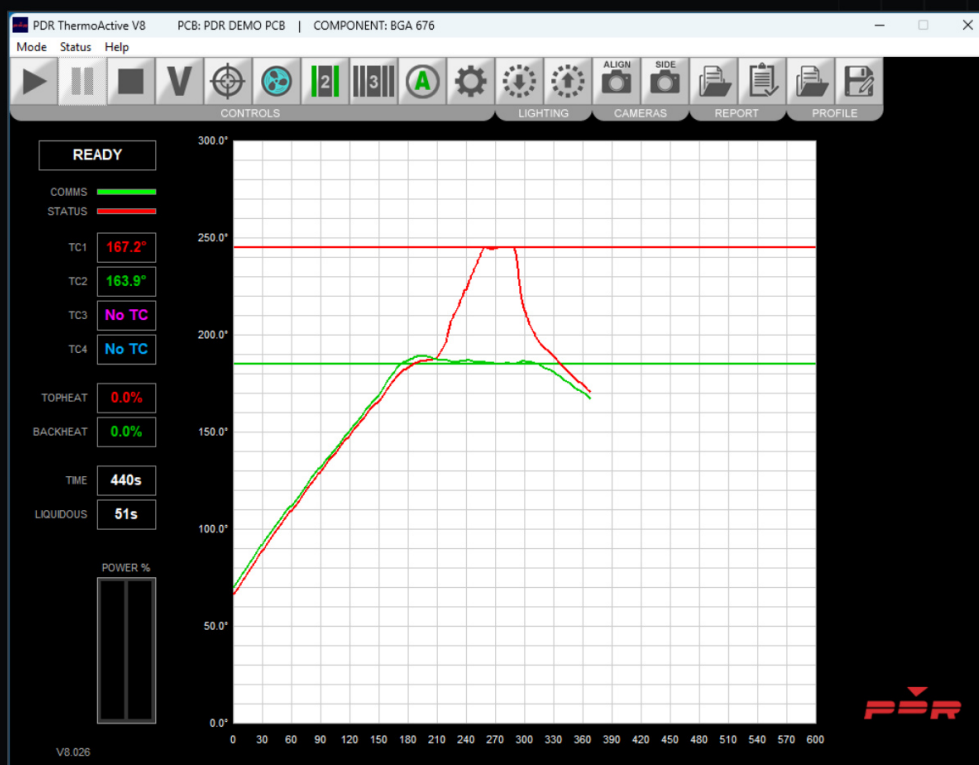


CONTROLLED PICKUP + PLACEMENT

THERMOACTIVE PROCESS CONTROL

SEE THE PROCESS. REPEAT
THE PROFILE.

Chipmate Pro combines independent non-contact component and PCB sensing with live thermal profiles, side-view evidence, stored procedures and reporting.



FULL THERMOACTIVE INTERFACE

RED = COMPONENT • **GREEN = PCB**

INDEPENDENT NON-CONTACT SENSING

Component and PCB are monitored as separate thermal targets.

LIVE THERMAL PROFILE

See the controlled process as it happens.

SIDE-VIEW EVIDENCE

Capture the component during reflow and lift-off with date/time evidence.

STORED PROFILES + REPORTING

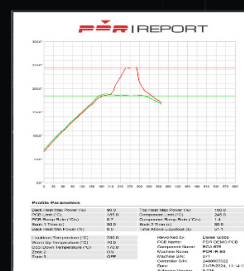
Repeat proven procedures and document the process.



FOCUSED INFRARED | TARGETED COMPONENT HEATING



SIDE-VIEW PROCESS CAMERA



MACHINE + CORE SPECIFICATION

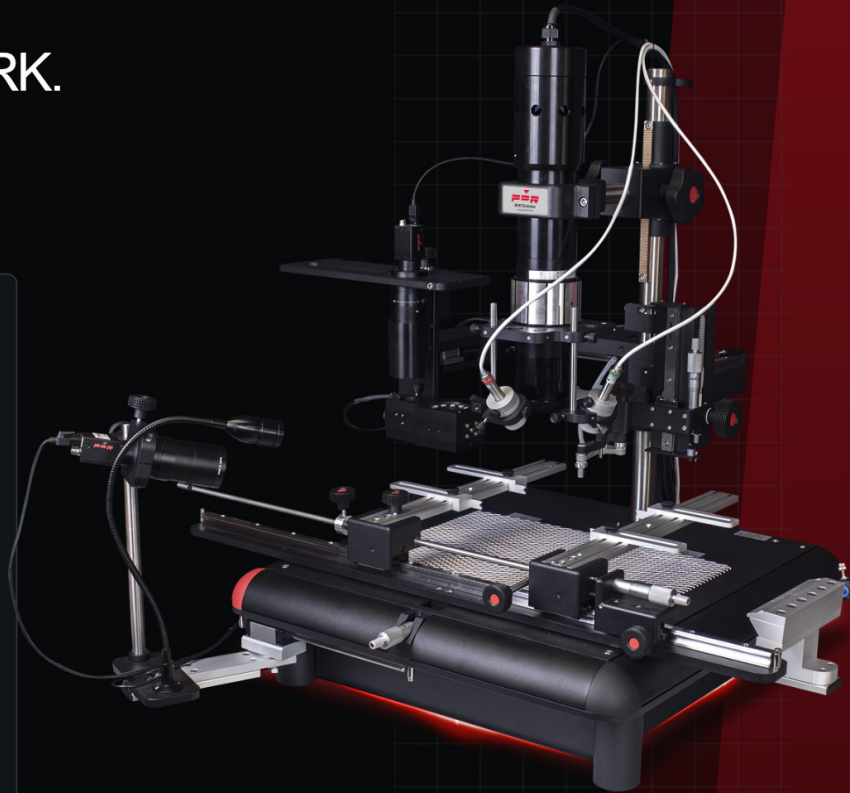
CHIPMATE PRO. SEE IT ON YOUR CASEWORK.

CORE SPECIFICATION

MAX PCB	300 x 450 mm
MAX COMPONENT	55 x 55 mm
MIN COMPONENT	01005 package
TOP HEATER	150W focused IR, Ø70 mm
PCB PREHEATER	2800W, 3 zones
SENSING	Non-contact IR, component + PCB
PLACEMENT	Split-beam prism, x50
ACCURACY	Up to 10 µm
SIDE-VIEW	Camera with image capture
SOFTWARE	ThermoActive

PDR FORENSICS

Designed and manufactured in the United Kingdom. Precision infrared since 1985. More than 5,000 PDR systems supplied worldwide.



NEXT STEP

ARRANGE A DEMONSTRATION

See the system operate on representative devices and boards from your own workflow.

SALES@PDR-FORENSICS.COM

COMPONENT CAPABILITY

BUILT FOR CRITICAL COMPONENT RECOVERY.

Controlled Focused IR supports repeatable removal across the component types commonly encountered in forensic laboratory workflows.

COMPONENTS WE SAFELY REMOVE



eMMC / eMCP
EMBEDDED MEMORY



NAND FLASH
RAW FLASH MEMORY



UFS
HIGH-SPEED STORAGE



CPU / SoC
PROCESSING DEVICES



POWER IC
POWER DEVICES



PMIC
POWER MANAGEMENT

TRUSTED BY



POLICE FORCES



FORENSIC
LABORATORIES



GOVERNMENT
AGENCIES



DATA RECOVERY
SPECIALISTS



AIR ACCIDENT
INVESTIGATION

ARRANGE A DEMONSTRATION | SALES@PDR-FORENSICS.COM