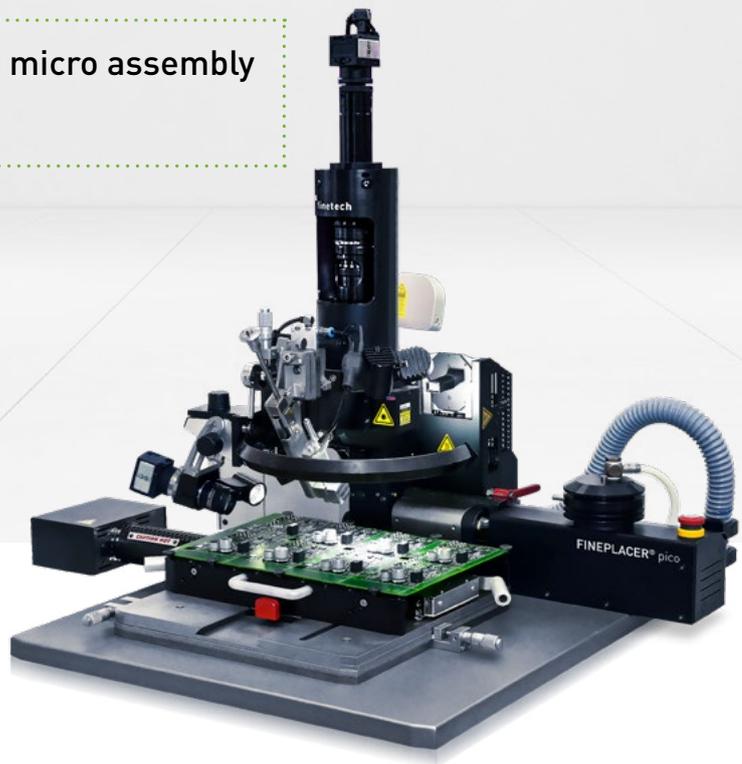


**FINEPLACER® pico rs**

## Hot Air SMD Rework Station

**Precision and Flexibility for Advanced Rework**

- » One system for rework and micro assembly
- » Full hot air rework system



**Placement accuracy better 5  $\mu$ m**

.....

**Industry-leading thermal management**

.....

**In-situ process observation in HD**

.....

**Unique FINEPLACER® working principle**

.....

**Superior optical resolution**

.....

**Data/media logging and reporting function**

.....

## Features

Overlay vision alignment system (VAS) with fixed beam splitter

3-color LED illumination

Full process access and easy programming

Synchronized control of all process related parameters

Software controlled top heater calibration

Modular machine platform allows in-field retrofitting during entire service life

Individual configurations with process modules

Fully manual or semi-automatic machine versions

Force controlled component handling

## Benefits

Precise visual alignment of chip and substrate

Excellent contrast values with different materials for best visibility and recognition

Flexible and intuitive process composition allows implementing complex applications with little training effort

Maximum process control and reproducibility

Ensures high reflow profile reproducibility with low maintenance. Profiles can be shared between machines, same process results are guaranteed.

Fast and easy upgrade of the rework station to meet new application & technology requirements

Machine solutions tailored to your application requirements

Get the rework station that suits your application requirements

Allows safe handling of small and sensitive components (e.g. 008004)

## Technologies

- » Surface Mount Technologie (SMT)
- » Through Hole Technologie (THT)
- » Pin in Paste (PiP)

## Processes

- » Component removal / Desoldering
- » Contactless site cleaning / Solder removal
- » Reballing / Single ball reballing
- » Paste printing (component, PCB)
- » Dipping
- » Dispensing
- » Soldering

## Applications

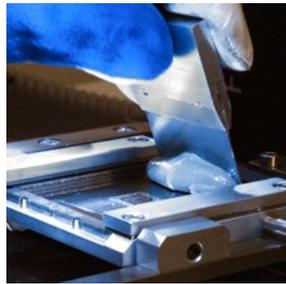
- » BGA, CSP, QFN, DFN, QFP, PGA, SOT etc.
- » Mini BGA and other miniaturized components
- » Small passives down to 008004
- » LED and Mini LED arrays
- » Package on Package (PoP)
- » Daughter boards & Sub assemblies
- » RF shields & RF frames
- » Connectors & Sockets
- » Underfilled and coated components
- » Rework on FR4, flex, glass, ceramic or aluminium carrier

# Modules & Options

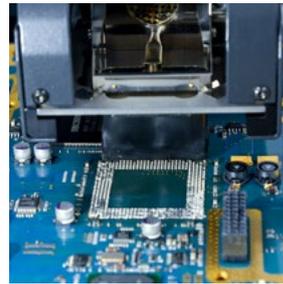
- » Bar Code Reader (SmartIdent)
- » Chip Heating Module
- » Component Presentation
- » Direct Component Printing Module
- » Dispense Module
- » Hot Gas Bottom Heating Module
- » Manual Dipping Unit
- » PCB Support
- » Process Gas Switching Module
- » Process Start Sensor
- » Process Video Module
- » Reballing Module
- » RGW - Illumination
- » Solder Removal Module
- » Split Field Optics
- » Substrate Heating Module
- » Substrate Support
- » Target Finder
- » Top Heating Module (Hot Gas)
- » Zoom-Optics<sup>plus</sup>



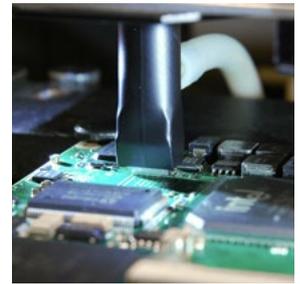
Process Video Module



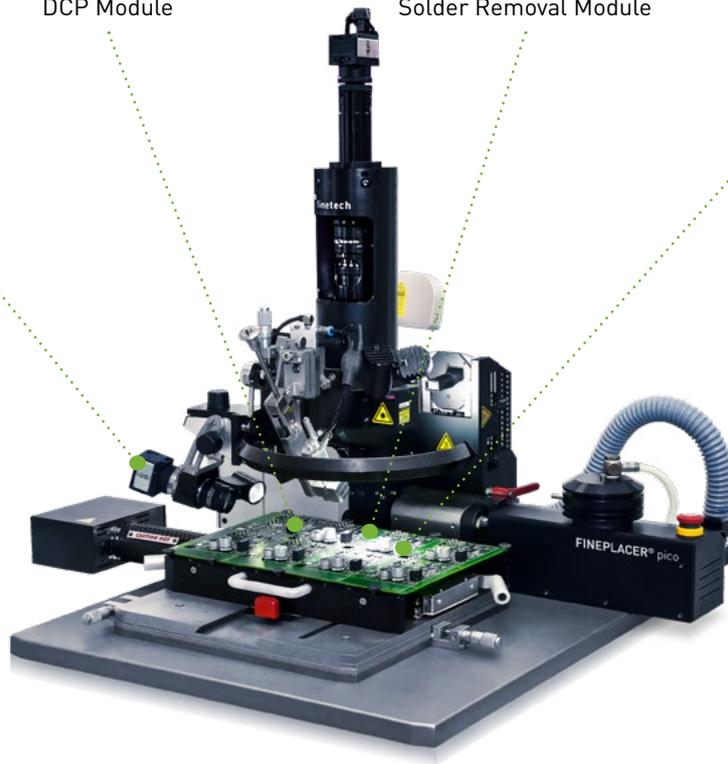
DCP Module



Solder Removal Module



Top Heating Module

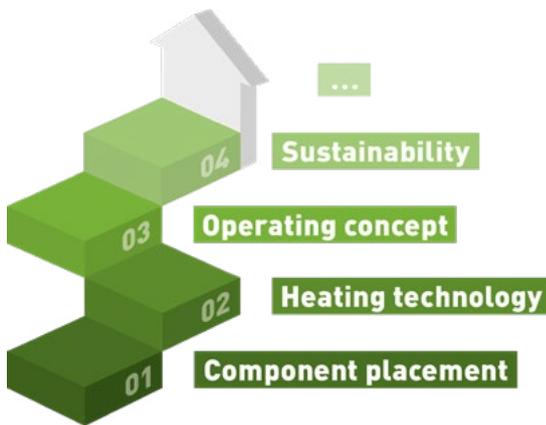


# Modularity Pays Off

Due to a large number of available process and function modules, the FINEPLACER® supports a particularly wide range of applications. When starting out, this flexibility enables configurations tailored exactly to the current needs. Moreover, the system can be adapted to new tasks over its entire service life, which is an integral part of the machine concept. Modules can be easily combined or exchanged, which increases the flexibility of the system and safeguards the investment in the long term.



## Which Rework System Fits Your Requirements?



Are you a production or project manager of an OEM company or EMS service provider faced with the task of selecting a professional SMD rework system? To find the solution that fits your needs, there are a number of questions that should be addressed first. Make sure to assess in advance which type of rework system on the market is ideally suited to your production or project requirements. This checklist, developed together with rework customers from different industries, outlines considerations for selecting your future system.

[Download the paper here:](#)



## Customer Feedback

"We have been partners with Finetech for over 20 years now and they have always been open to our needs. The support they provide is immeasurable – their engineering team is very accessible and everyone is well connected and deeply involved with each project. The quality we get is always at the highest level – from the first to the 2,000<sup>th</sup> board."



**Nafi Pajaziti**  
CEO, BMK Electronic Services

