HIGH SPEED

ELECTRONICS

DEVELOPMENT THROUGH

AUTOMATEDPROTOTYPING



MULTIVATIVE

Current HW-development





Long development times

Long waiting times for testable prototypes slows down the development time and increases the time-to-market enormously



Inefficient work

Developers are distracted from actual work by tasks such as manual rework



High time pressure & staffshortages

High competition increases time pressure, which is significantly increased by staff shortage



Late changes to the requirements not possible

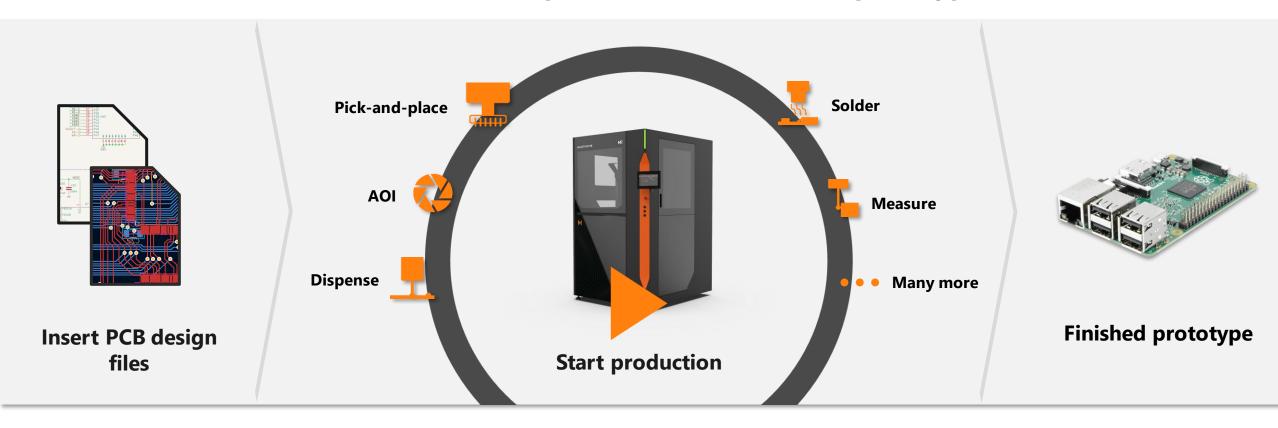
Late changes to project requirements can only be dealt with great expanse due to linear development processes

06.05.2024

Solution



Automated in-house production of electronic prototypes.





Faster development cycles.

More user feedback iterations.

Better product-market fit.



Engineers can focus on development. **Eliminate cost** and **pain** of own prototyping lab. Reduce time-to-failure, **efficient development.**

Advantage of MULTIVATIVE





Short set-up times

Developers spend very little time on the machine.

Short set-up times and simple operation are our focus. It only takes a few minutes to set up the machine and start production. Thanks to our all-in-one system and high level of automation, no further manual interventions are required.



Fast availability of testable prototypes

All-in-one system enables in-house production of electronic prototypes in the shortest possible time.

Our system includes all the tools needed to produce electronic prototypes. It's highly automated and easy to use. Testable prototypes and small batches can be produced in a matter of hours.



High accuracy & stability

Produce complex PCBs with our system

Our system is designed for professional use and can produce complex PCBs thanks to its very robust mechanics.



Automated rework

Autonomous module change enables automated rework of faulty PCBs

With our system, defective PCBs can be repaired very easily, quickly and fully automatically.



Hard Facts

M

Working area: 500 x 500mm

Machine size: 1400 x 1300 x 2000mm

Precision: <10µm

Power input: 230V AC, 1.5kW max.

Air pressure input: min. 7bar

Input data: ODB++, Gerber, GenCad, IPC-2581





Dispense tool

Materials: Solder paste, Adhesive Technology: Auger Valve Smallest dot size: 0.25mm*



Placer tool

Vacuum nozzles

Exchangeable nozzles

Smallest components: 0402*

Tape and Bulk components supported

Up to 50 different components



Measure tool

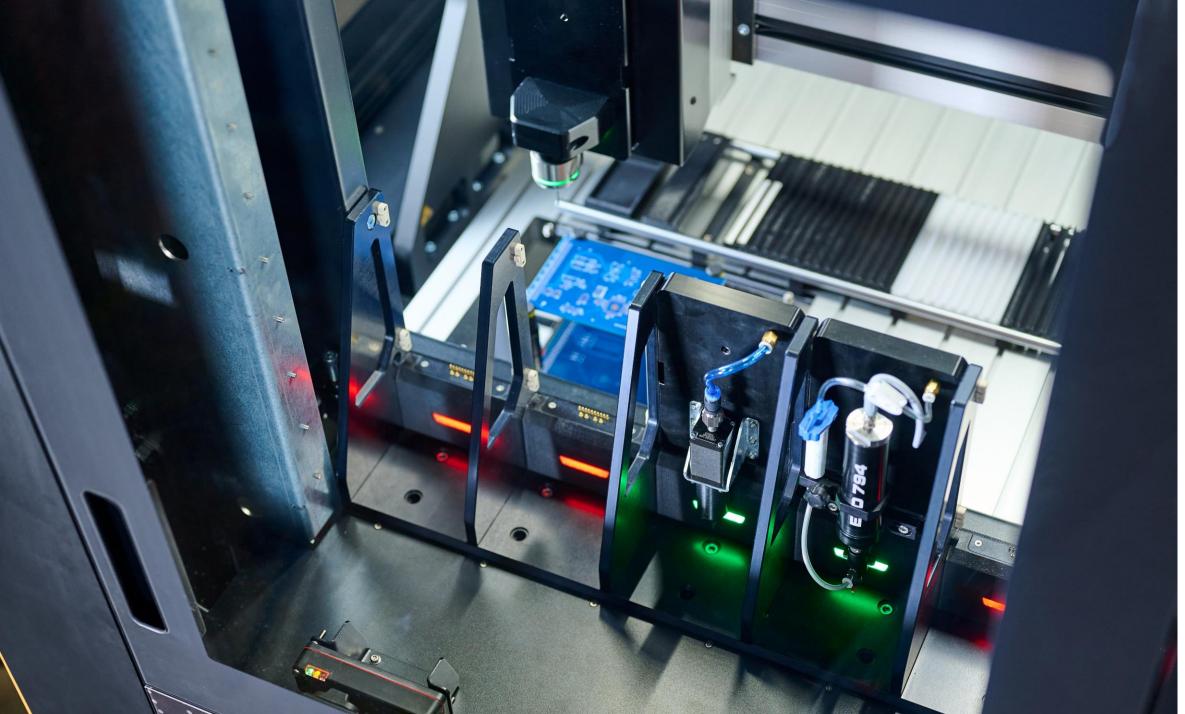
Precision: <10µm
Exchangeable tips
Tipping force: XY: 0,5.1N, Z: 2.5N

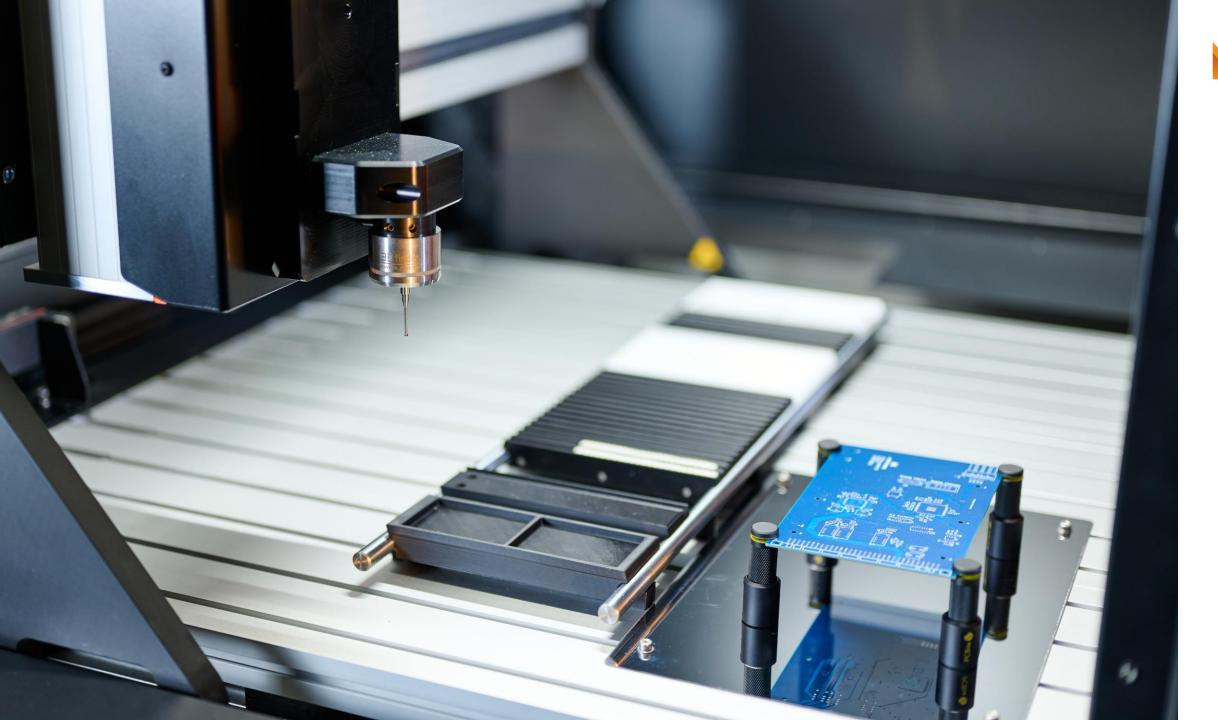


Solder tool

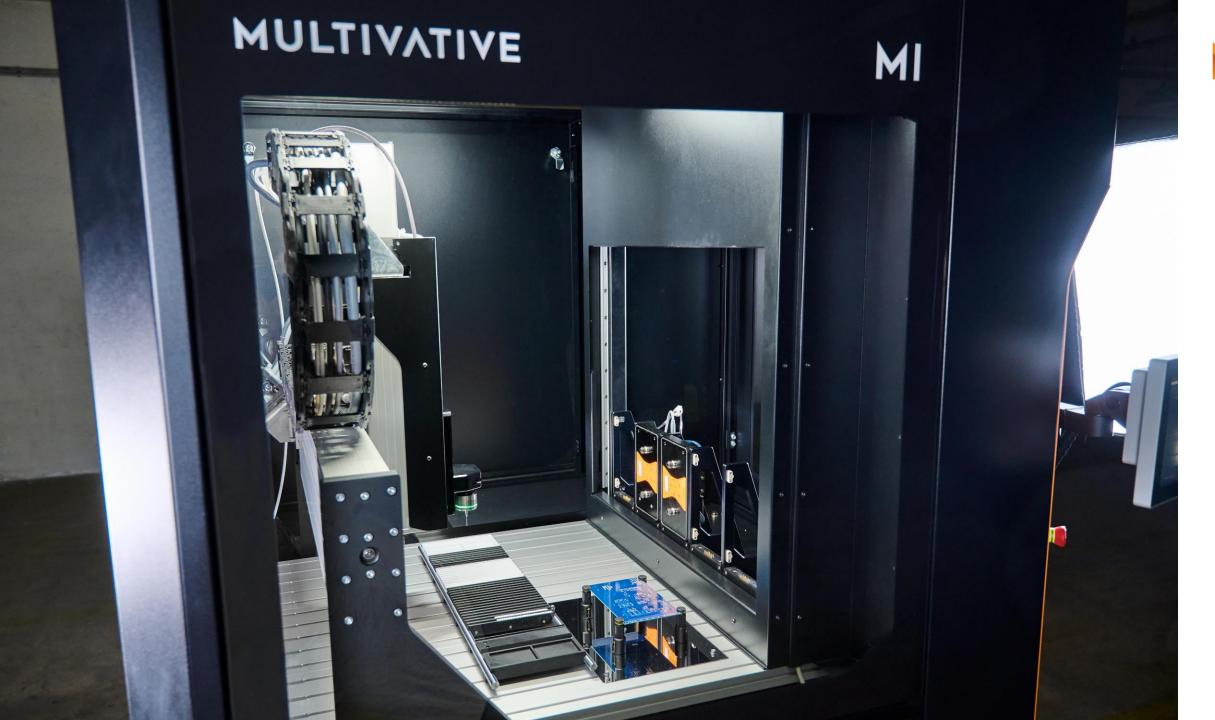
Hot air flow rate: 10l/min















MULTIVATIVE

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