



SCALE UP FROM ONE TO ONE MILLION

UNIQUE.

The OurPlant world.

We bring technology to life.
We are microassembly specialists.
We provide ideas a platform to grow.
We combine the knowledge of many experts.

**We are OurPlant,
The Prime Micro Assembly Platform.**

OurPlant embodies a flexible production platform and represents the highest standards in microassembly. This platform connects the experts of the industry and is the basis for forward-looking automation solutions.

Due to growing specialization and continually changing product requirements, you benefit from a unique machine concept.

OurPlant systems can adapt to future requirements through standardized OurPlant interfaces, independent function modules and easy configurability.

VISIONARY.

From 1 to 1 million.

You want to develop an automated production and quickly start to produce your products in series? No problem for the OurPlant machine family.

Due to the modularity, the standardized interfaces and the real Plug&Produce capability, numerous function modules can be integrated and transferred into all machines.

Hence your production can be quickly and individually adapted to your requirements. The right assembly solution is available for every phase of your product life cycle.

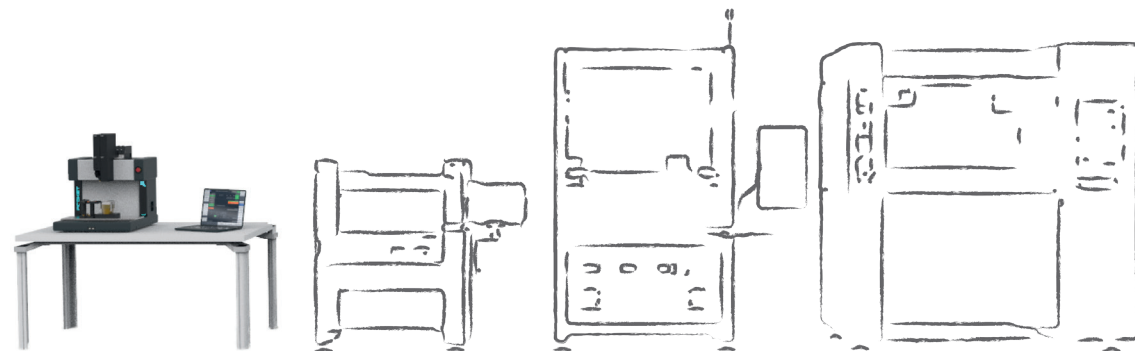


TECHNOLOGY TO THE POINT.

OurPlant Pocket.

With OurPlant Pocket you can work alongside and support your manufacturing process development and product development. The compact tabletop system enables you to implement semi-automated processes. It is an excellent support for testing, developing and validating.

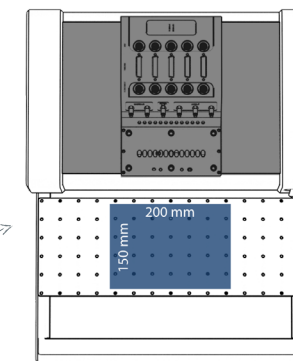
Thanks to the uniform compatibility of the OurPlant platform, the machine benefits from a wide variety of modules. The product design and manufacturing technology can be optimized directly by the product developer through a wide range of applications, such as microassembly, microdispensing and inspection processes.



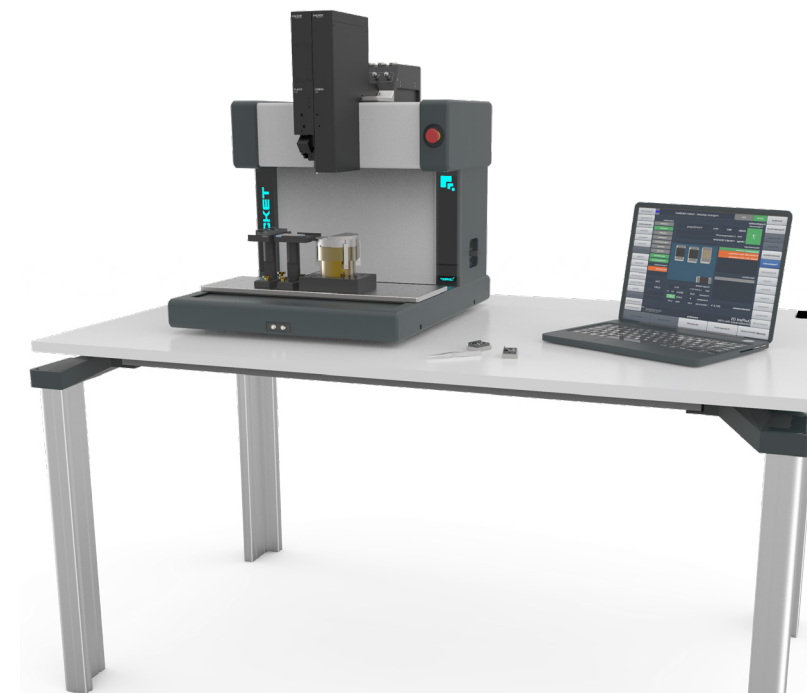
To Sum It Up.

- 🌿 Dimensions (W x D x H): 550 mm x 660 mm x 600 mm
- 🌿 Machine weight: approx. 80 kg
- 🌿 Max. functional area (X x Y): 200 mm x 150 mm
- 🌿 Max. speed axes (X / Y): 250 mm/s
- 🌿 Repeatability: $\pm 1 \mu\text{m}$

Machine interface for max. 2 processing heads each 50 mm wide



Max. functional area with 1 processing head

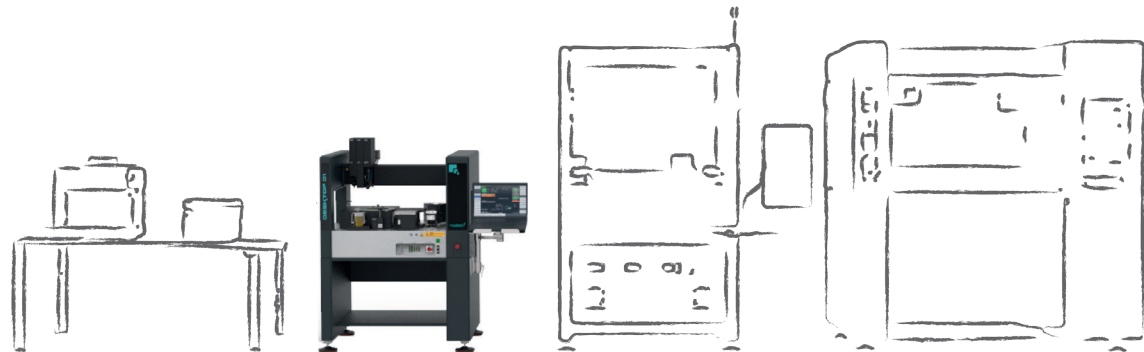


CLOSE TO THE PROCESS. OurPlant D1.

The OurPlant D1 is the basis for the seamless transition of your products into serial production.

The open system allows you to interact intensively with the process. Technology and experts meet and have the opportunity to produce first products in series.

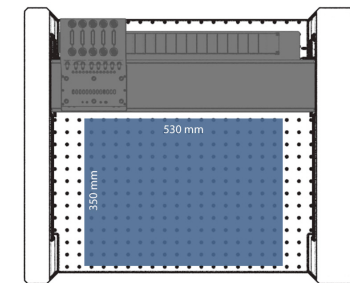
The modular machine concept of OurPlant guarantees the adaptability to future products and process requirements.



To Sum It Up.

- 🌿 Dimensions (W x D x H): 1000 mm x 800 mm x 1350 mm
- 🌿 Machine weight: approx. 570 kg
- 🌿 Max. functional area (X x Y): 530 mm x 350 mm
- 🌿 Max. speed axes (X / Y): 250 mm/s
- 🌿 Repeatability: $\pm 1 \mu\text{m}$

Machine interface for max.
5 processing heads each 50 mm wide



Max. functional area with 1
processing head

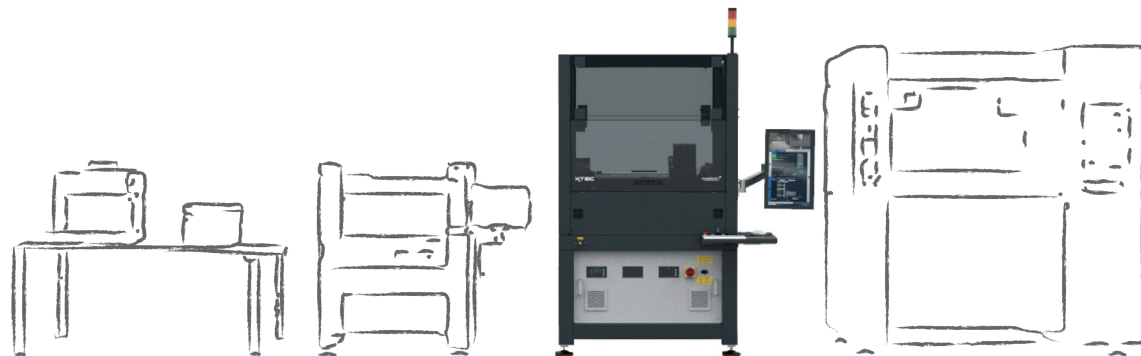


COMPACT PERFORMANCE. OurPlant XTec.

The OurPlant XTec is the compact all-round solution for the series production of special components. Like the OurPlant Pocket and OurPlant D1, the machine can also be equipped with various functional modules of the platform.

Depending on your process requirements, the OurPlant XTec can be used for a variety of applications. For example, laser safety glass offers an option for solving a wide range of microassembly challenges.

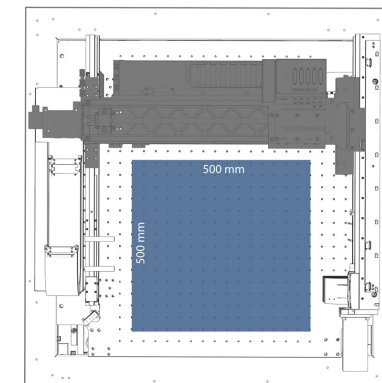
You will get a versatile and highly efficient microassembly machine. This solution provides the possibility to produce even the most technically demanding products in series in a very short time.



To Sum It Up.

- Dimensions (W x D x H): 1735 mm x 1455 mm x 2400 mm
- Machine weight: approx. 1200 kg
- Max. functional area (X x Y): 500 mm x 500 mm
- Max. speed axes (X / Y): 1600 mm/s
- Repeatability: $\pm 1 \mu\text{m}$
- Optionally with laser protection glass for infrared lasers

Machine interface for max.
6 processing heads each 50 mm wide



Max. functional area with
1 processing head

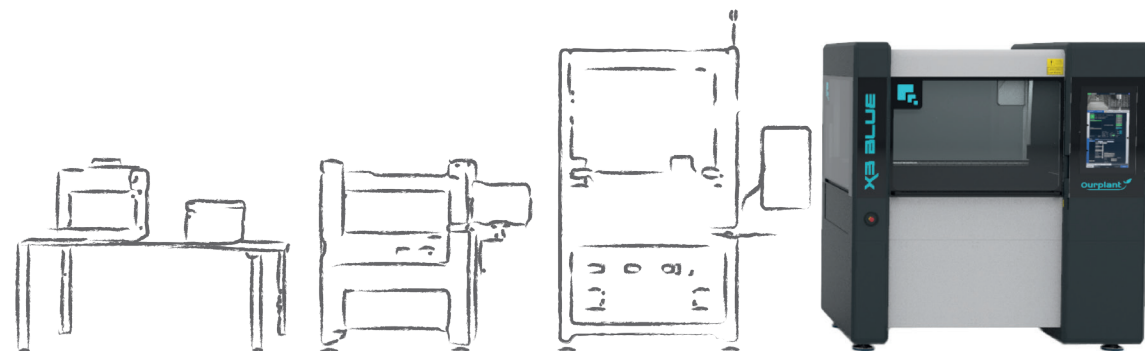


HIGHEST EFFICIENCY. OurPlant X3.

The OurPlant X3 combines highly specialized and complex processes with a very large working area. Because of its modularity, this system can also be flexibly adapted to your production processes. Your possibilities for serial production are unlimited.

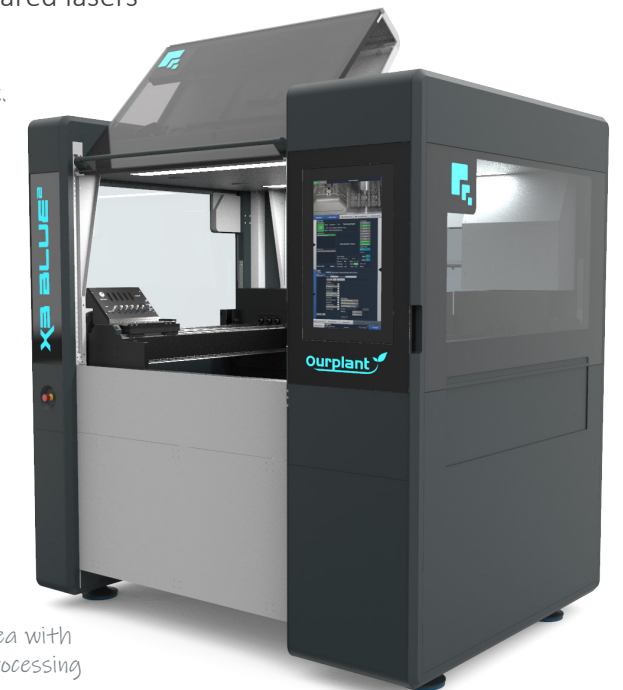
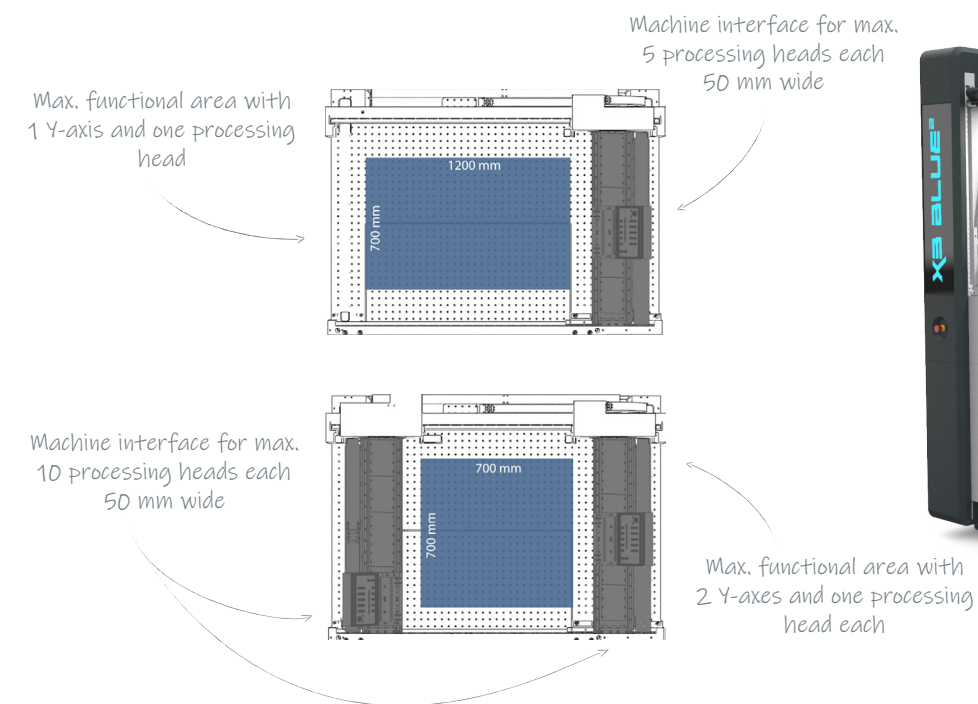
A maximum of working space and the option to equip the machine with two independently working Y-axes offers you the highest production efficiency.

Take advantage of the flexibility of this multi-talent and prepare yourself for future challenges.



To Sum It Up.

- Dimensions (W x D x H): 1900 mm x 1500 mm x 2059 mm
- Machine weight: approx. 3600 kg
- Max. functional area (X x Y):
 - one Y-Axis: 1200 mm x 700 mm
 - two Y-Axes: 700 mm x 700 mm
- Max. speed axes (X / Y): 2100 mm/s
- Repeatability: $\pm 1 \mu\text{m}$
- Optionally with laser protection glass for infrared lasers



COMBINATION.

Your production in line.

Your production line with different machines is possible with custom conveyors operating according to SMEMA standard. These can be individually adapted to the size of your products. Your substrates are transported automatically to the next machine after completion of a sub-process.

The feeding of the process materials can be realized by numerous possibilities and combinations. For example, you can feed your substrates via a stacking magazine, the matching chips via a wafer up to 12" in size and your SMD components via a tape feeder.

There are no limits when combining modules and machines. On the OurPlant platform you will find all the machines and products you need to map your entire process.

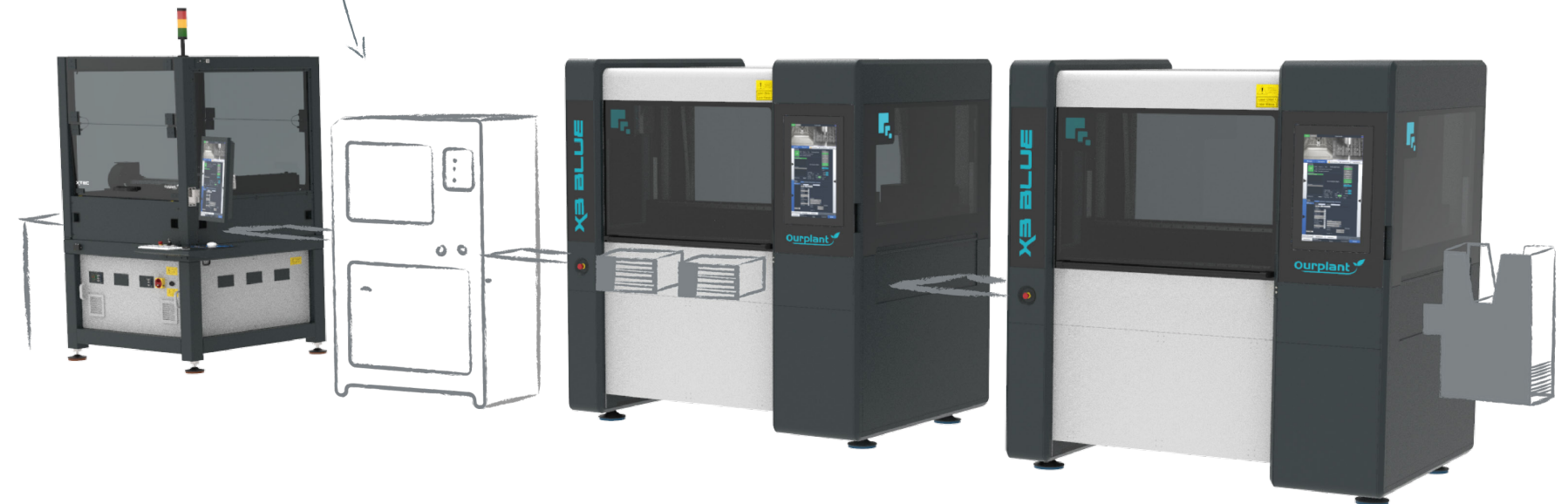
Integration of complete machines of our partners

- UV and soldering ovens
- Automatic Optical Inspection Systems
- Wire Bonder
- ...

More than 20 ways to feed your components to the machine

- 12" Wafer system
- JEDEC tray feeder
- Tape feeder
- Bowl feeder
- Gel Pak® support
- ...

conveyors according to SMEMA standard

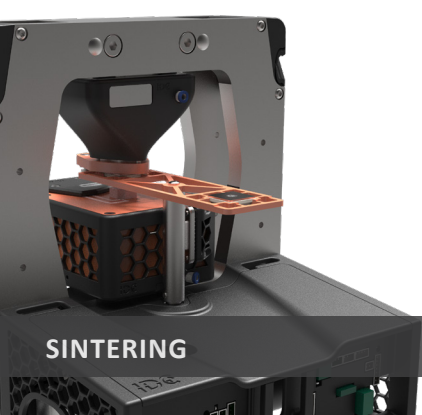
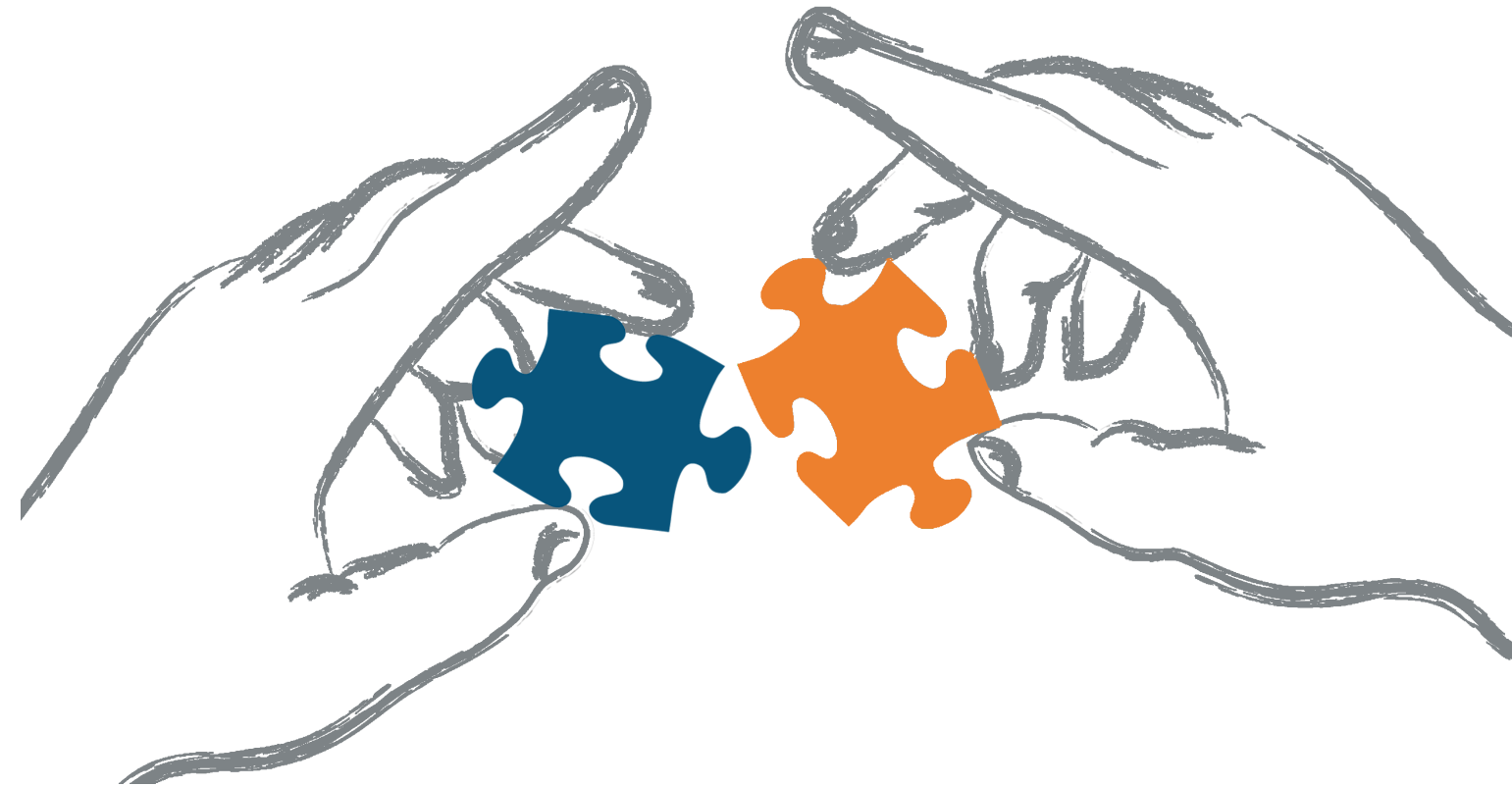


TOP PERFORMANCE. OurPlant connects worlds.

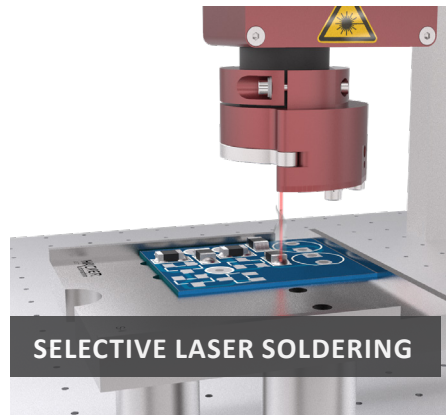
OurPlant unites product developers and process engineers to work together on ideas and solutions. Through the cooperation with our experts and the rapid development speed on the platform, the variety of technologies is constantly increasing.

The combination of submicro applications with macro technologies makes the OurPlant platform unique in the world of micro assembly.

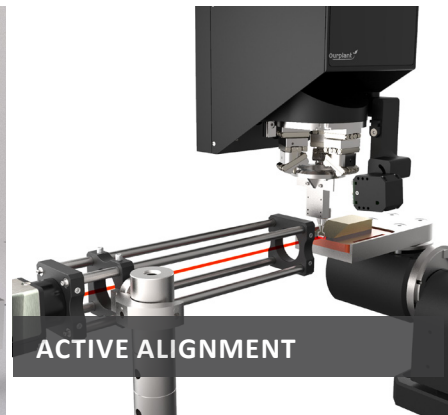
Pick and place on flat or 3D components, automatic optical inspections (AOI) of different materials or the joining of two materials by pressure and temperature are only a few of the technologies that can be combined into a single machine. With OurPlant you will find all the technologies and products to establish your production process for a complex product.



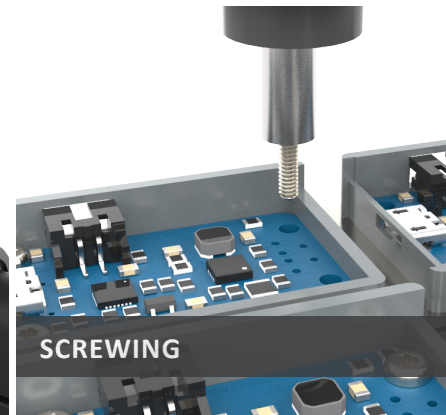
SINTERING



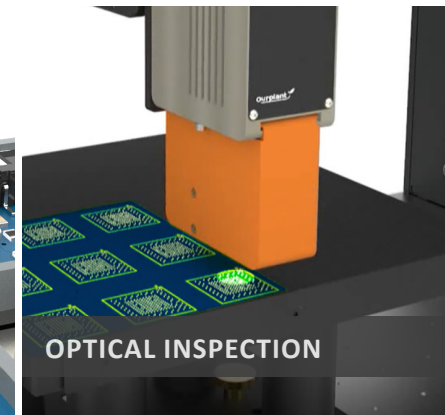
SELECTIVE LASER SOLDERING



ACTIVE ALIGNMENT



SCREWING



OPTICAL INSPECTION



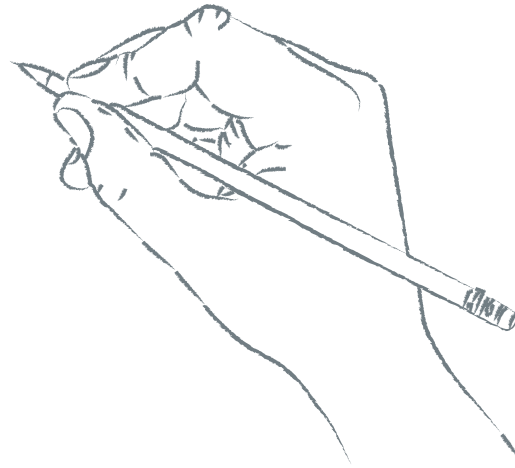
DIE BONDING



DIRECT DISPENSING

INDIVIDUALITY.

Create your personal solution here.



Learn more about the OurPlant world.

OurPlant- The Prime Micro Assembly Platform.
www.ourplant.net



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