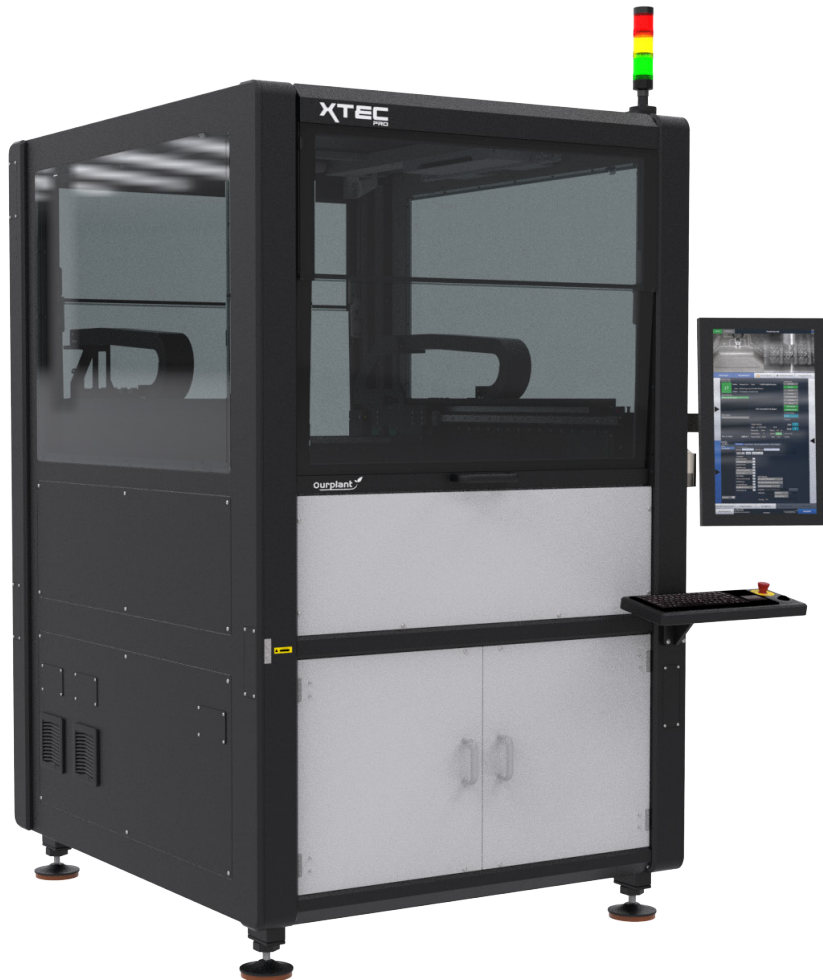




OURPLANT XTEC PRO.



The new generation of production technology.

The OurPlant XTec Pro is the most flexible machine type of the OurPlant family, meeting the need for the largest possible, customizable machine interior. For this purpose, additional space was created in the front area of the machine.

Furthermore, the geometry of the base plate in the functional area can be freely designed. This area provides space for equipment such as collimators, control and supply units, as well as AOI and delivery systems.

Thanks to standardized hardware and software interfaces, you can transfer modules and recipes from other OurPlant machine types to the OurPlant XTec Pro.

For efficient production via the master computer, you can choose between various and comprehensive options for data transmission and process control.



Benefits.

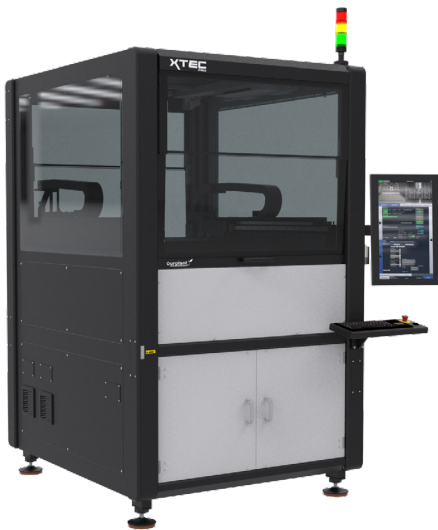
COMPLETE SOLUTION FROM A SINGLE SOURCE: Profit from a pool of over 100 modules and configure your OurPlant XTec Pro according to your process requirements. You haven't found what you are looking for? We'd be happy to develop a customized solution for you.

COMPREHENSIVE PROCESS LIBRARY: Use the diverse process combinations of the OurPlant OS for your production. Create your own customized production recipe from the wide range of process technologies (dispensing, placing, etc.).

SUSTAINABLE PERFORMANCE: Top quality „made in Thuringia“ guarantees the durability of your machine across various product life cycles.

MAXIMUM PRECISION: Experience gained from several generations of the OurPlant XTec series flows into the OurPlant XTec Pro, elevating the portal to a new level of stability, accuracy, and efficiency.

OVERVIEW OF TECHNICAL DATA

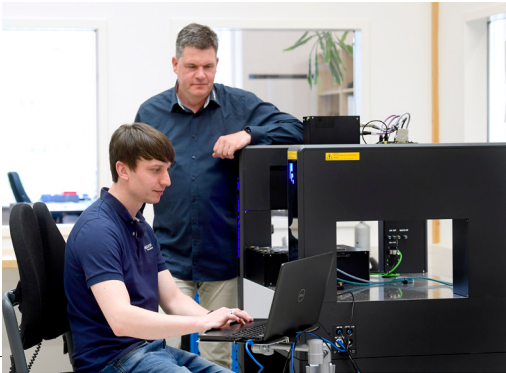


Dimensions in mm (W x D x H):	1600 x 1615 x 2400
Weight (empty) in kg:	1400
Max. operating range in mm:	630 x 466 x 674
Rated voltage in VAC:	400
Frequency range in Hz:	50 ... 60
El. Connection:	CEE plug, 16A, 6h, 3L+N+PE nach IEC 60309
Control voltage in VDC:	24 / 48
Repeatability in mm:	± 0,001
Max. speed X-axis in mm/s:	1600
Max. speed Y-axis in mm/s:	1600
Compressed air:	≥ 5,5 bar, 100 l/min, cleaned, dry, oilfree

Module portfolio for your XTEC Pro.

With the XTEC Pro and its extensive selection of modules, you can easily configure your own customized process solution. Häcker Automation offers a wide range of technical solutions for dispensing, placing, soldering, inspection, and measuring. The diverse components and functions allow you to efficiently design, adapt, and optimize processes – tailored to your needs. This creates a customized, intelligent production system that helps you to successfully implement your projects.

Be inspired by the diverse possibilities:
The Micro Assembly Shop gives you an overview
of the various modules and process options.



mikromontage.shop			
			
PLACER 23.400,00 € excl. MwSt.	FEEDING EQUIPMENT BACKGROUND LIGHT SUPPORT 4.800,00 € excl. MwSt.	DISPENSER D-X30 19.200,00 € excl. MwSt.	DISPENSING EQUIPMENT DIRECT DISPENSING UNIT 16.200,00 € excl. MwSt.
			
PLACER (3D, VACUUM TOOL) 110.000,00 € excl. MwSt.	PLACER (3D, GRIPPER) 110.000,00 € excl. MwSt.	FEEDING EQUIPMENT GEL-PAK® SUPPORT (4x 2') 5.400,00 € excl. MwSt.	FEEDING EQUIPMENT GEL-PAK® SUPPORT 5.400,00 € excl. MwSt.

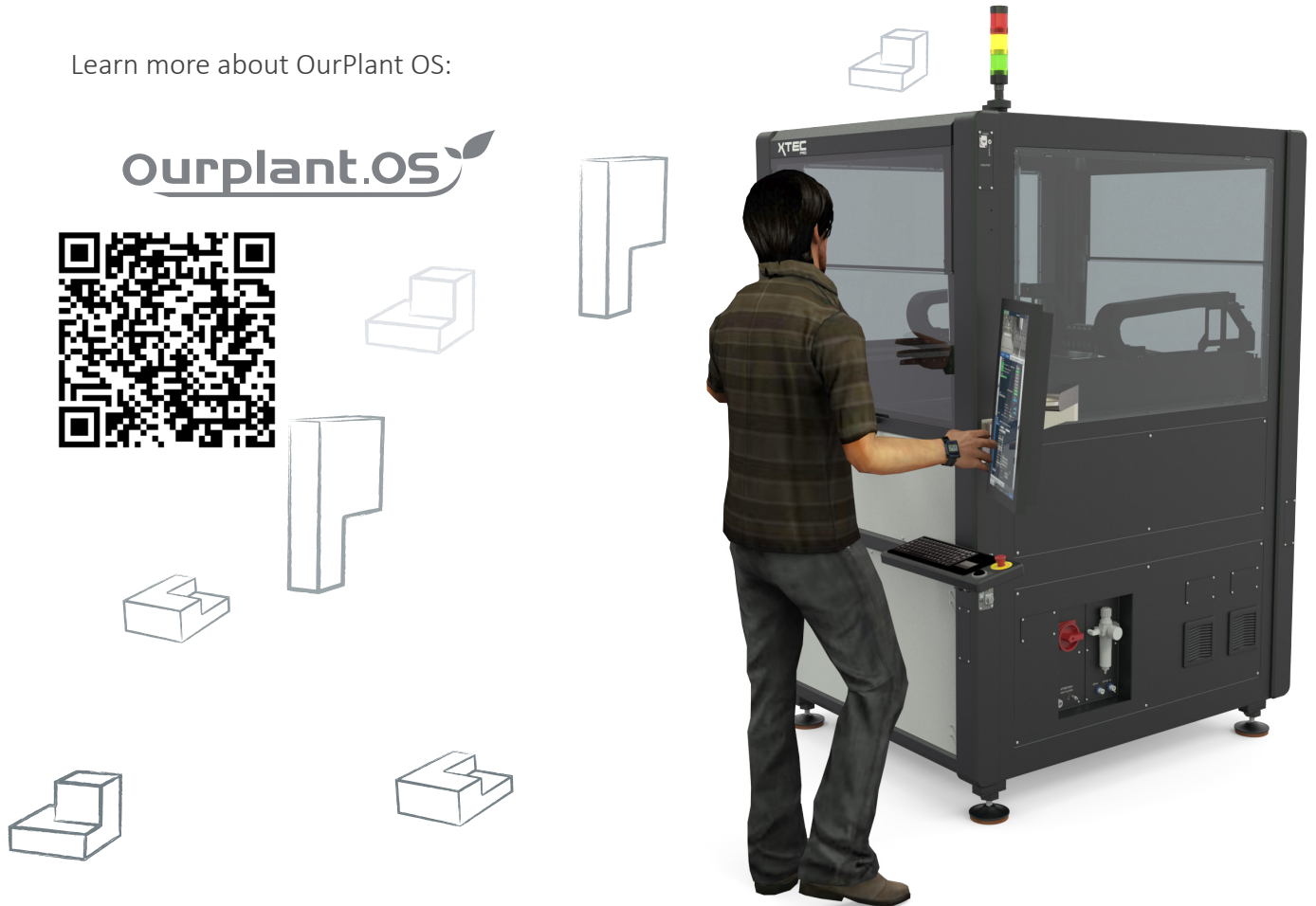


OurPlant OS: For the flexible control of your micro-assembly system.

OurPlant OS ensures the reliability of your developed processes and your entire production. Using the software you set up your selected modules and combine various process steps (loading, dispensing, etc.) to create your customized production recipe. By connecting microservices via standardized interfaces, you can also integrate your own or external systems.

Learn more about OurPlant OS:

ourplant.OS



Fiber-to-PIC coupling: An application example from silicon photonics.

The production of photonic integrated circuits (PICs) has highest demands on the manufacturing process. In the „Fiber-to-Chip Active Alignment Process,“ two fibers or fiber arrays are simultaneously aligned to the PIC, requiring maximum precision and flexibility. In addition to precise alignment, complementary processes such as control, measurement, dispensing, and UV curing must be integrated and combined. With two integrated 3D hexapod placers, the OurPlant XTec Pro offers an innovative solution for the alignment process in the nanometer range and creates a flexible basis for fully automated photonic applications. Experience the future of silicon photonics with maximum efficiency and adaptability.

YOUR CONFIGURATION FOR PIC APPLICATION

- S1-0016 OurPlant XTec Pro
- S2-0049 Placer (2x)
- S2-0046 Camera (2D-3D)
- S2-0024 Dispenser
- S3-0007 Universal Support
- S3-0039 Vacuum Support
- S3-0029 Needle Cleaning Unit





From the smart development environment to series production.

Your developed and optimized process can be seamlessly transferred from the development environment, the OurPlant Smart Tools, to the series production systems of the OurPlant machine family.

The OurPlant XTec Pro, with its enlarged and individually adaptable build space, guarantees efficient and future-oriented production. Furthermore, the flexible software architecture ensures that adjustments and extensions can be implemented smoothly. This allows you to react quickly to market changes.



completed subprocesses

functional product

medium series production

large series production





Find your solution.

Modular Micro Assembly System

<https://haecker-automation.de/en/modular-micro-assembly-system/>

OurPlant Smart Tools

<https://haecker-automation.de/en/smarttools-for-microassembly-processes/>

Mikromontage Shop.

<https://mikromontage.shop/en/>

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