

OurPlant OS

The software for flexible control of the modular machine platform and a guarantee for your full automation.

Features of the OurPlant OS

Display and monitoring of machine capabilities

- Complete operation of the machine and the processes set up via a fully integrated HMI
- Processes and hardware systems are configured and set up via the OurPlant OS HMI
- OurPlant OS provides a completely flexible operating system for controlling a highly modular, industrial production system

Development of production recipes

- Directly at the machine or offline
- Free combination of various process capabilities
 - Loading
 - Dispensing
 - UV exposures
 - Active Alignment System
 - Automated Optical Inspection
 - Sintering, hot caulking, contacting,
 - thermocompression bonding, force placement
- Free programming of individual systems and insertion into the production process
- Moving individual axes
- Operation of devices (digital IOs, ...)

Connection, setup and control of all Häcker Automation hardware modules

Setup and configuration is carried out directly via the HMI and can be operated by the user.

Measuring and inspection system

- For the detection and measurement of reference marks to increase accuracy
- For the realization of automatic quality control (AOI)
- Flexible reaction to inspection and measurement results
- Recognition of product and batch markings (barcodes, DMCs, OCR)Diverse V
- Recording of process key figures:
 - from simple time stamps to force-temperature profiles and 3D white light interferometer topologies

Handling of magazine systems

- Wafer handling including mapping and changing system
- JedecTray systems
- Connection of transport systems and creation of inline capability

Extensive process data export options

- Enables complete process monitoring and traceability

Flexible connection to the MES system

Parameter mapping configurable via the HMI allows the MES system to be configured accordingly from the machine and subsequently expanded by the user.

Connection of Microservices via standardized interfaces

With the connection of MicroServices, highly individualized customer systems can be docked to the machine system.

Reasons for this can be the validation of measuring systems or production technologies that have already been carried out, which are further developed and operated by the operator of the machines themselves.

This allows further systems to be connected.

Production of OurPlant OS

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