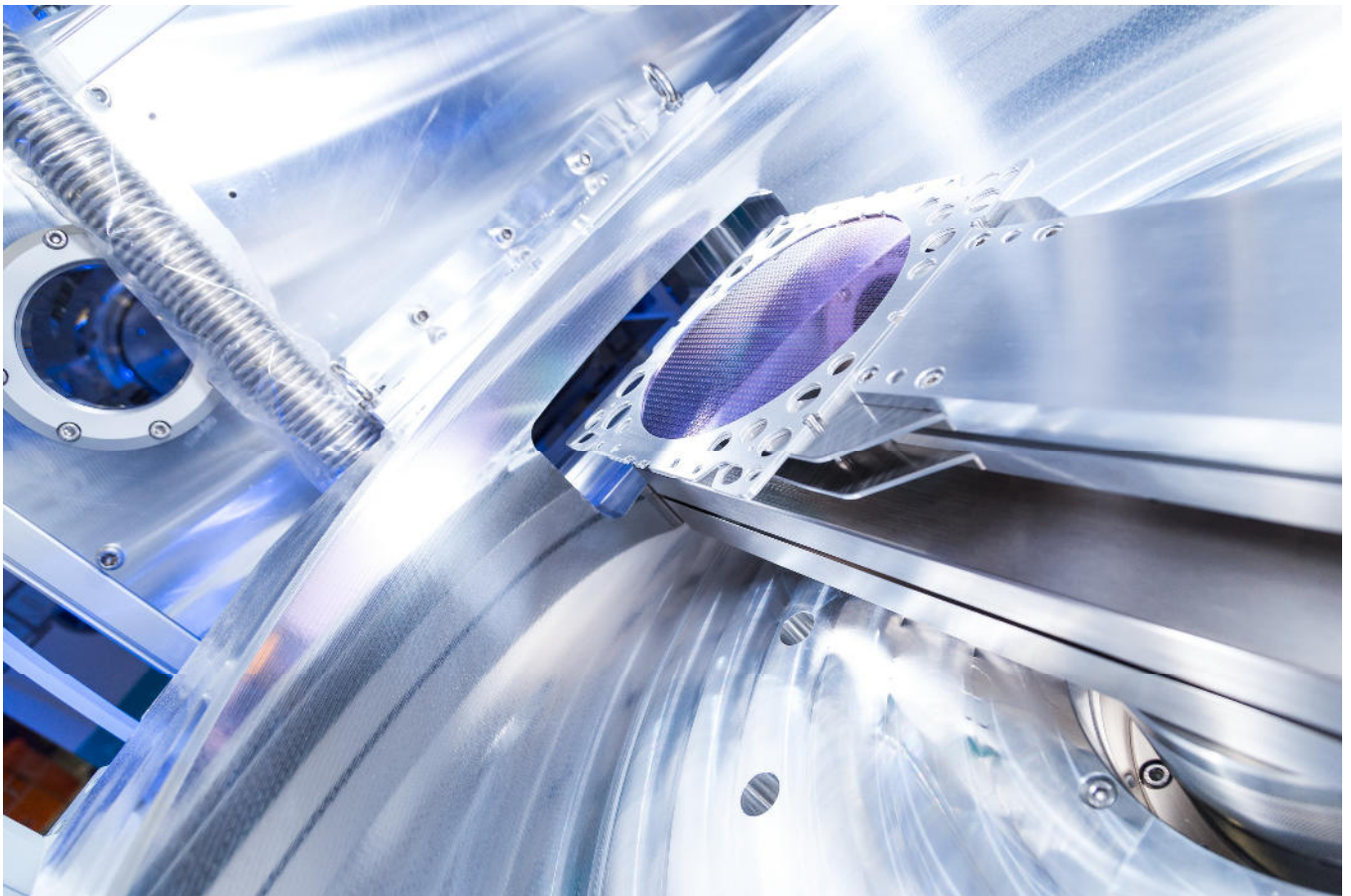


solutions you need

Adenso
INDUSTRIAL
SERVICES

Adenso Robot.Platform with adControl CLUSTER CONTROL SYSTEM



adControl CLUSTER CONTROL SYSTEM

adControl.platform, consist of adControl/adVac/adStartup:

adControl - CLUSTER CONTROL SYSTEM

stand alone system, incl. vacuum process control, visualization, scheduler (substrate tracking recipes) and multi-operator administration; communication with customers process control system via Adenso.Interface (Ethernet, EtherCAT, Profibus)

hardware:

- safety equipment for WHM and LLM/MLL
- LLM-Z-stroke servo drive, controller cabling
- LLM-mapping
- electronics, control unit, multi-touch display
- pneumatics

adVac – CLUSTER VACUUM SYSTEM

1 set WHM-VAC cpl (vacuum hardware: valves, tubing, sensors, cabling, ...)

X set LLM-VAC cpl. (vacuum hardware: valves, tubing, sensors, cabling, ...)

remarks: TMP for WHM, LLM provided by buyer (available as an option)
pre-vacuum provided by buyer (available as an option)

adStartup – CLUSTER COMMISSIONING

Central handling unit WHM+LLM assembled, commissioned and tested before delivery.

adInterface – CLUSTER INTERFACES

CLUSTER (substrate handling, operator control, safety, ...)

VAC (vacuum master and slaves)

VISU (integration of main process functions, cluster/process layout)

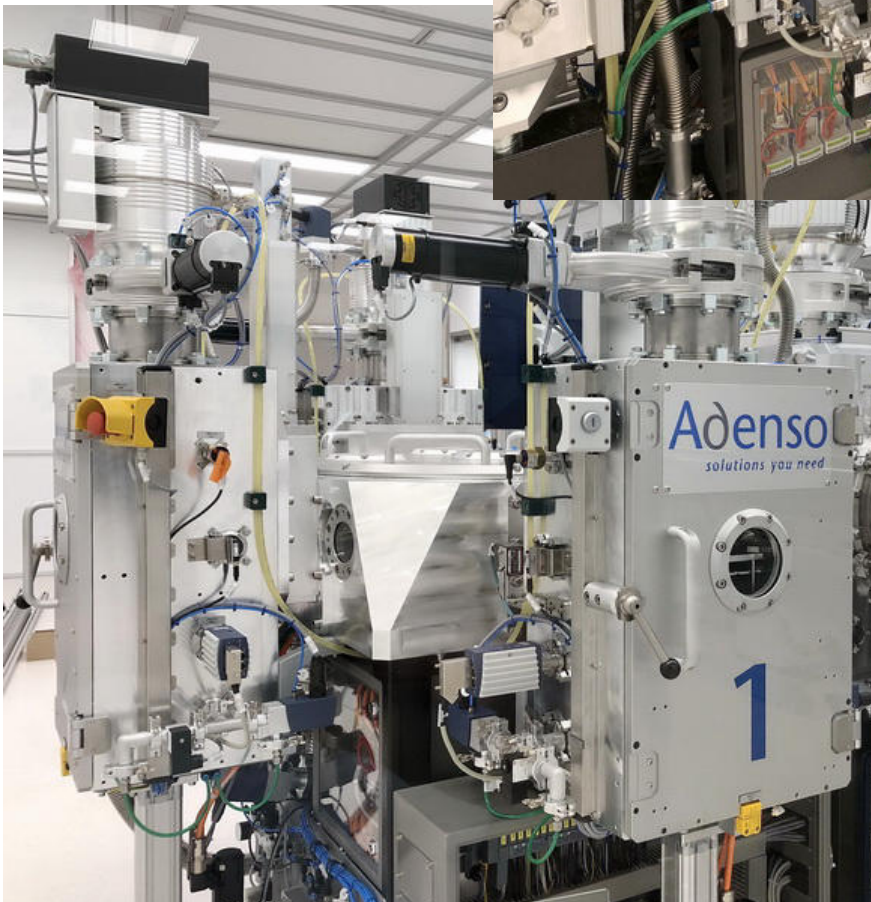
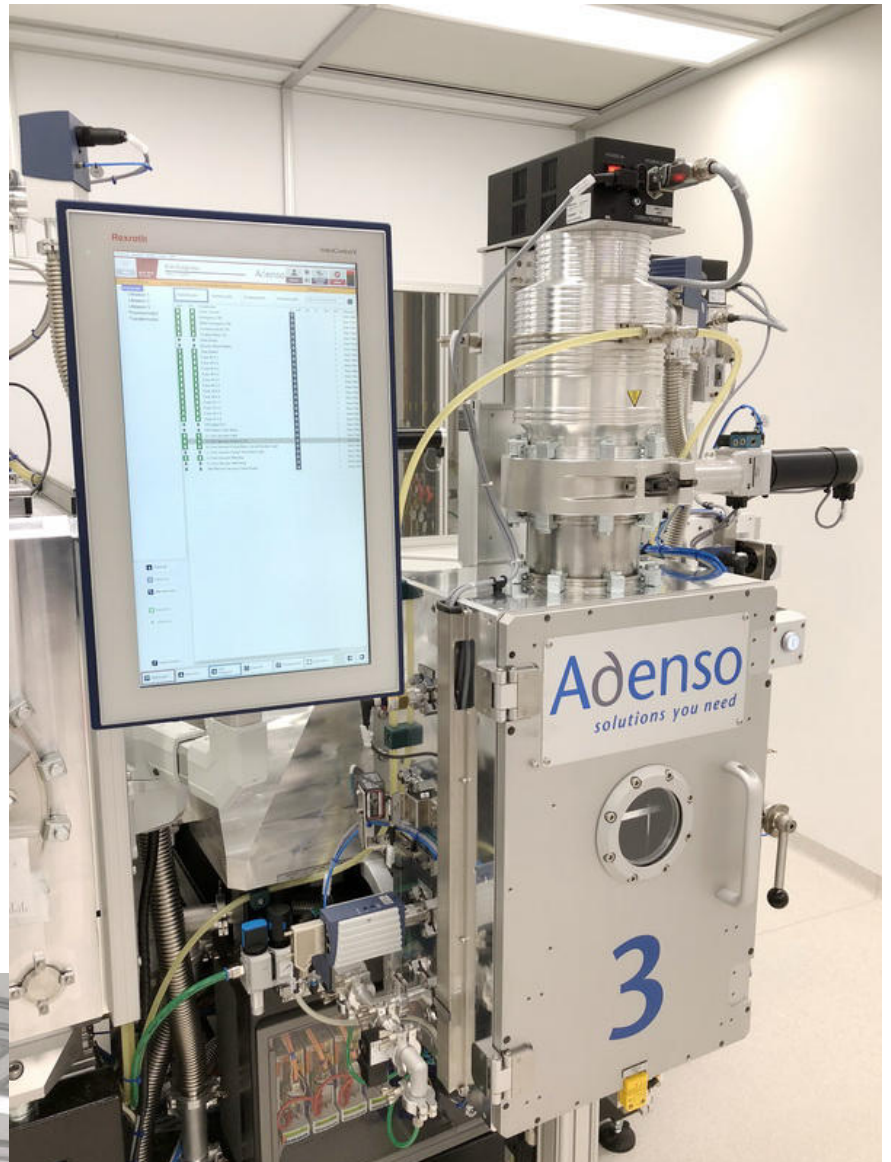
This adControl setup is based on Adenso waferhandling hardware platform and covers the necessary effort for setup a fully working stand-alone central handling unit.

Your advantage: This central system can setup in parallel to the setup and commissioning of the process modules – which saves time and guarantee a smooth integration – as stable base for customers process commissioning.

www.waferhandling.solutions

This pics showing:

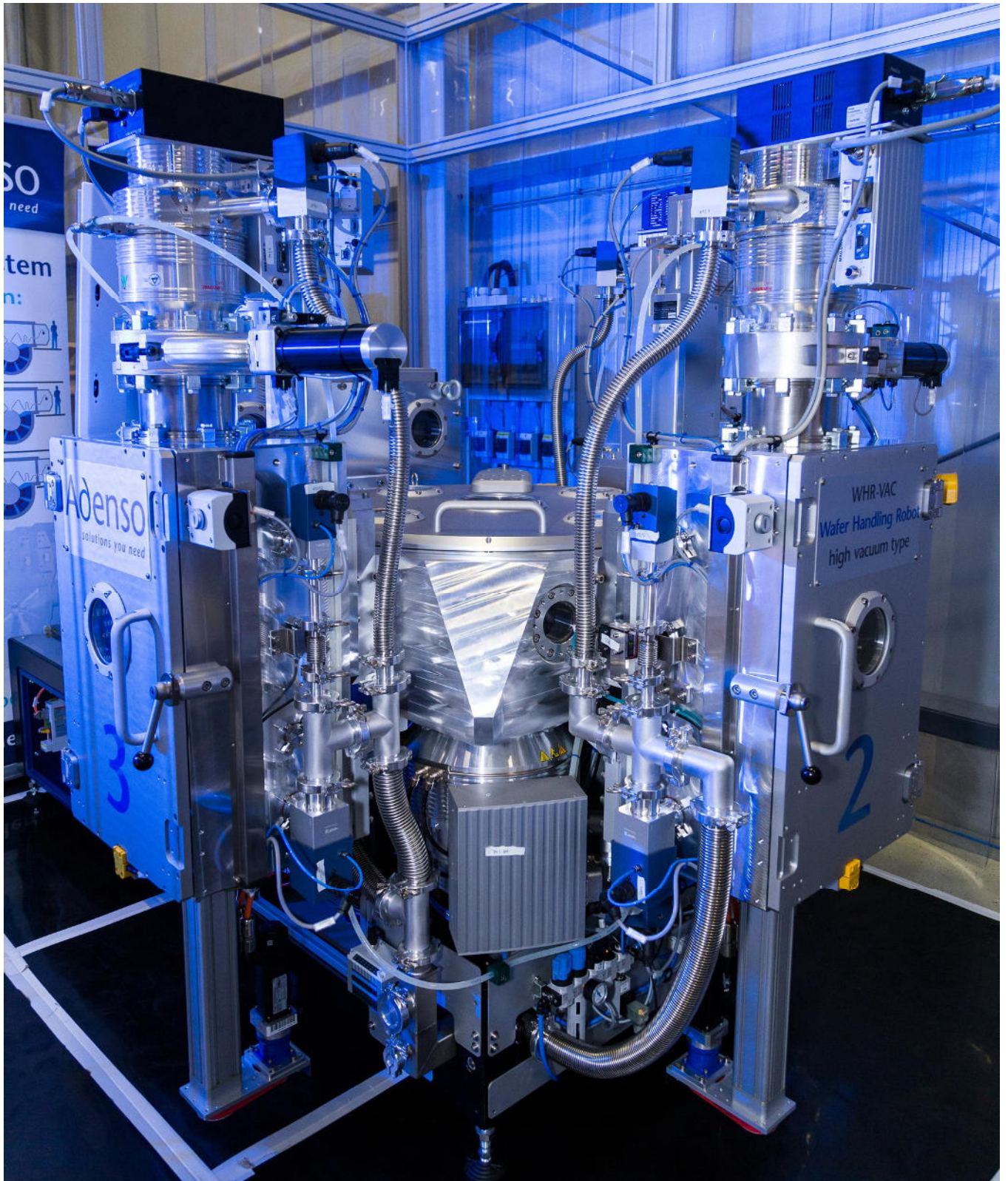
- adControl with
- electronics
- pneumatics
- LLM-VAC
- LLM-TMP (option)
- safety equipment
- multitouch-display



This pics showing:

- adControl with
- electronics
- vacuum system
- multitouch-display
- operating





This pic showing: Adenso Waferhandling.Platform with central waferhandling module WHM, Load Lock Modules LLM, vacuum system adVAC , electronics and cluster control software adControl