

VADU modular

Scalable vacuum soldering system

PiNK's new generation of proven VADU vacuum soldering technology features a modern and modular design. A key advantage of this modular approach is its scalability. The modular VADU can be freely configured and expanded at any time by adding additional modules. This allows our customers to increase productivity and flexibly adapt functionality to evolving requirements.

The equipment consists of two to five modules. The base type VADU 200XL consists of a soldering and a cooling module and is suitable for small batch production. The system can be upgraded by adding one or two modules, transforming it into a high-volume production solution, the VADU 300XL or VADU 400XL. According to individual customer requests, the systems can be equipped with additional customized options, such as formic acid equipment, transfer systems, handling units and more.

Advantages of the modular concept

- Easy expansion of productivity or functionality by adding modules
- Effortless maintenance and operation



System features

- Void-free solder connections
- Soldering with preforms and/or pastes
- Flux-free soldering with formic acid
- Flux management system for solder paste processes
- Individual, easy and freely programmable soldering profiles
- User-friendly GUI with different access levels
- Soldering temperatures up to 400 °C
- Separate soldering and cooling modules
- Inert gas atmosphere (< 5 ppm O₂)
- Permanent process control and monitoring
- Low energy and media consumption
- SMEMA interface
- Remote maintenance (VPN)



Type	VADU 200XL	VADU 300XL	VADU 400XL
Model	Batch	Inline system	Inline system
Number of vacuum chambers	2	3	4
Clearance height	100 mm	100 mm	100 mm
Dimensions (W x H x D)	1.758 x 2.381 x 1.910 mm	2.436 x 2.381 x 1.910 mm	3.114 x 2.381 x 1.910 mm