



VP7000 vacuum

Vapor Phase Vacuum Soldering Systems High-Performance Inline Systems for Large Series

ASSCON vapor phase reflow soldering systems set standards in soldering technology. The VP7000 vacuum inline systems are based on advanced patented high-tech soldering methods, and offer outstanding soldering quality in large series production.

MULTI VACUUM FOR BEST RESULTS

The innovative inline soldering system for large series users is equipped with the patented Multi Vacuum technology. In the Multi Vacuum soldering process products are placed under a vacuum both before and during melting of the solder paste. Thanks to the benefits of modern ASSCON vapor phase soldering technology with vacuum handling, hitherto unrivalled levels are achieved in soldering quality. Void-free soldering is particularly important in the case of large-area, energy transmitting solder joints. The excellent soldering result is also supported by Dynamic Profiling – a process for automatically controlling the optimum soldering profile in series production.

INLINE PRODUCTION FOR HIGH VOLUME

The system is designed for carrier-free product processing integration into large series production lines. Electrically width-adjusted conveying systems and center support permit fast straight-forward adjustment for flexible production. The system is modularly designed, and consists of loading station, soldering zone, vacuum chamber and cooling zone. Aside from the low energy consumption rates ensured by the process, the system also impresses with fail-safe operation. Multi Vacuum soldering is the answer to the challenges of the future. ASSCON is the leader in the field of vapor phase soldering technology and develops innovative processes.

PRODUCT BENEFITS

- perfect solder joints thanks to the use of advanced technology
- reproducible process conditions
- no overheating or destruction of electronic components
- low energy costs thanks to smart energy management
- low overall running costs
- full traceability capability
- product changing without waiting times
- dual lane conveying for particularly high processing rates

60 %

less energy
consumption

< 1 %

voids after
multi vacuum
treatment

VP7000 vacuum

Vapor Phase Soldering Systems for Large Series

RANGE OF APPLICATION

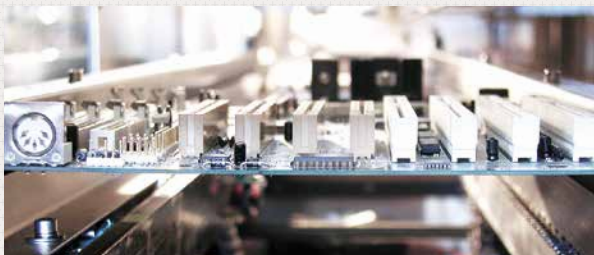
INLINE OPERATION | SERIES PRODUCTION | LARGE SERIES



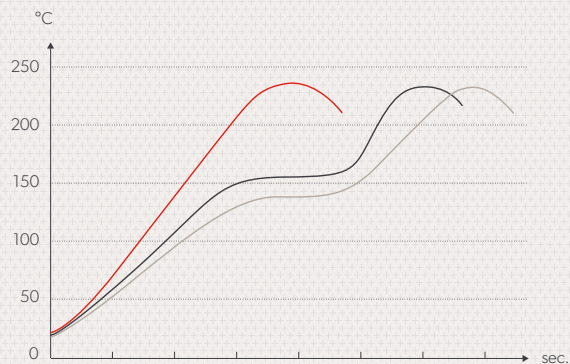
PRODUCT	VP7000-200	VP7000-400
TECHNICAL DATA		
Transport	single lane	dual lane
Max. solder product format	up to 520 x 450 mm	620 x 430 mm/620 x 2 x 250 mm
Component height	up to 55 mm	up to 55 mm
Ready for use	ca. 45 min.	ca. 45 min.
Vacuum pump	0.5 mbar	0.5 mbar
Connection power	20 kW	25 kW

SPECIAL FEATURES

The series of VP7000 vacuum systems can process products sized from 520 x 450 mm to 620 x 430/620 x 2 x 250 mm. They achieve high processing rates in inline mode. The systems can be combined with dynamic profiling, VP7000 vacuum is additionally designed for the Multi Vacuum system.



The systems are equipped with electrically width-adjusted conveying systems and center support.



The VP7000 vacuum systems permit infinite adjustment of specified temperature gradients.