

Convection soldering

Precise. Efficient. Sustainable.



VisionXC Nitro

Create your Connections.

REFLOW SOLDERING SYSTEM WITH N₂ ATMOSPHERE

PREMIUM PERFORMANCE – SMART INVEST

Precision, efficiency and quality in every soldering process

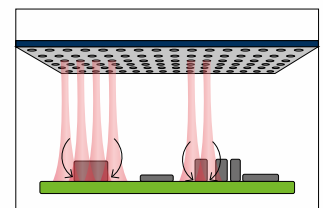
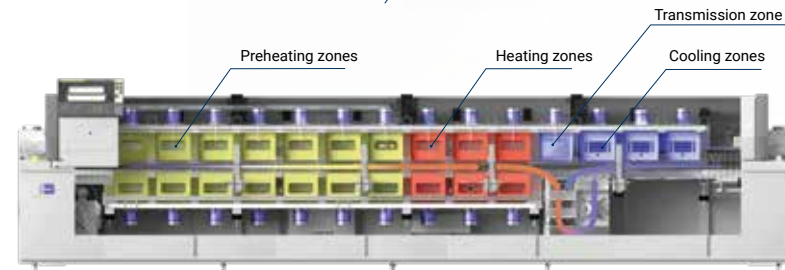
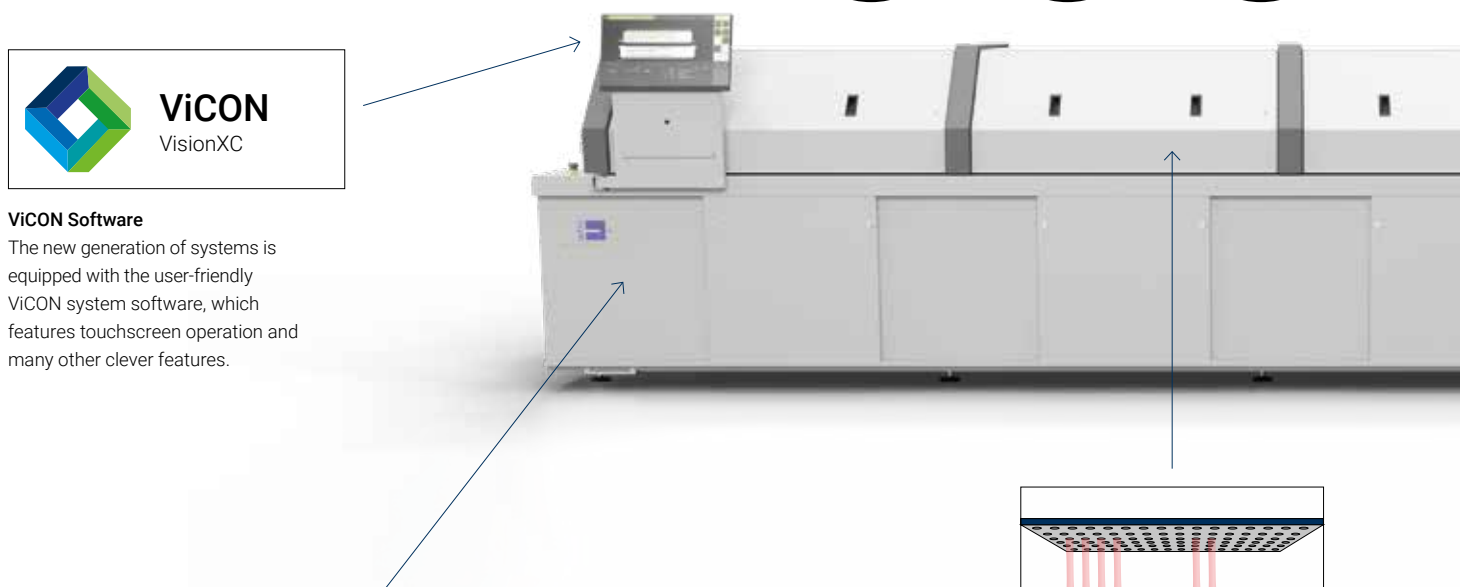
The VisionXC with nitrogen atmosphere stands for maximum process reliability and reproducible soldering quality in modern electronics manufacturing. The targeted use of protective gas minimises oxidation at solder joints – for clean and durable connections. The system is designed for lead-free soldering processes and features a customised transport system that enables flexible production with different throughputs and batch sizes.

GERMAN
ENGINEERED
SOLUTION



ViCON Software

The new generation of systems is equipped with the user-friendly ViCON system software, which features touchscreen operation and many other clever features.



Precise temperature control – controlled heat in every zone

The powerful multi-zone heating system ensures uniform temperature distribution and fast heating times. Each zone can be controlled individually to maintain the optimum temperature profile precisely. Optimised air flow guarantees uniform heating of the assemblies, while the integrated cooling zone ensures controlled and gentle cooling – ideal for sensitive components and complex assemblies. It guarantees maximum process stability with minimal ΔT .

Modular system concept & flexible transport options – for every production requirement

The modular system concept allows for maximum flexibility and adaptation to any production requirement. The system is available with single-track or double-track transport and offers precise transport control, robust mechanics and SMEMA and Hermes compatible interfaces for seamless integration.

The optionally available centre support ensures the safe processing of large or heavy printed circuit boards. Automatic width adjustment and the integrated chain oiler ensure smooth transport.

HIGHLIGHTS



› Highest soldering quality:

A nitrogen atmosphere reduces oxidation and improves the wetting of the solder joints.

› Precise process control:

Individually controllable heating and cooling zones for precise temperature control with minimal ΔT .

› Energy-efficient design:

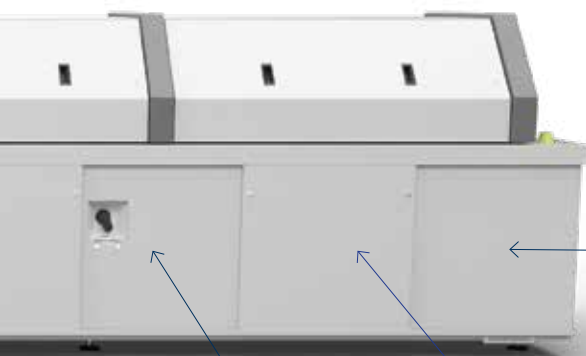
Modern heating elements and intelligent controls minimise energy consumption.

› Low maintenance & durable:

Efficient flux management extends cleaning cycles.

› Maximum flexibility:

Adaptable to different assemblies, solder pastes and production requirements.



7-stage filter system for efficient cleaning – MARS

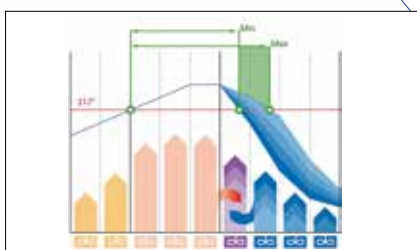
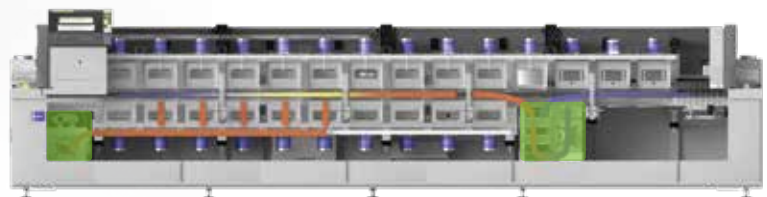


Condensate trap – FSM

Clean processes – thanks to intelligent flux management

The innovative MARS & FMS flux management system efficiently cleans the process gas atmosphere and keeps the plant clean, extending maintenance intervals and ensuring consistently stable process conditions.

In conjunction with the controlled nitrogen atmosphere, this creates a clean, controlled and efficient process environment – for maximum quality and plant availability.



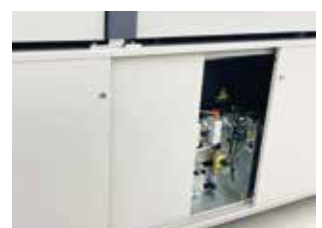
Stress-free cooling & transmission zone

Depending on the type of system, the VisionXC has a multi-stage cooling section. Optional separately controllable fans in the individual zones allow you to adjust the cooling gradient to suit your requirements.

The system has a transmission zone, which is located in the transition between the peak and cooling areas. A heating module is installed in the first cooling zone, which can be switched on as required to cool large or sensitive assemblies particularly gently.

Sliding doors for improved accessibility

Sliding doors ensure optimum accessibility to the system. They enable quick and safe access to all process areas, facilitate maintenance work and contribute to a compact, ergonomic system design.



READY FOR YOUR PRODUCTION. **CONNECTIONS FOR THE FUTURE.**

Rehm Thermal Systems is a leading expert in connection technologies for electronics manufacturing. With innovative system solutions for soldering, drying and coating, we enable our customers to create reliable connections on electronic assemblies – individually, process-secure and future-oriented.

Since 1990, we have been developing and manufacturing energy-efficient production equipment at our headquarters in Germany and an additional production site in China – all in accordance with the highest quality standards. Our worldwide subsidiaries and distributors provide tailor-made solutions and competent service – wherever electronics are produced

Create your Connections – with Rehm, you shape the products of tomorrow.

