

THERMAL SYSTEMS

VisionXP+

Reflow Convection Soldering System



▶ A (+) Plus for your production!



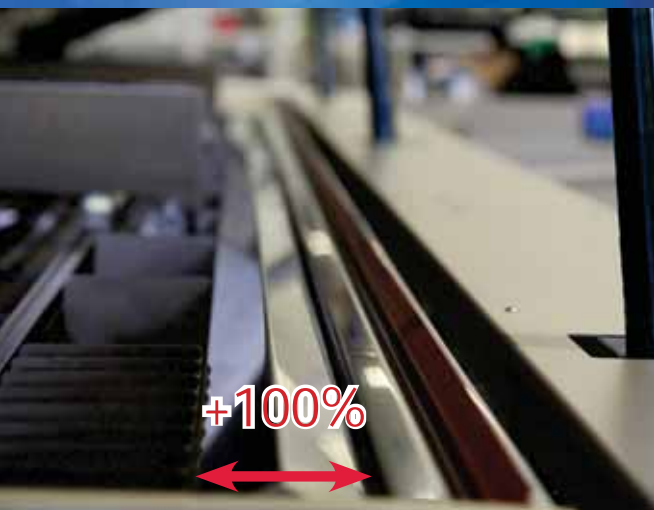
► Energy efficient reflow soldering

Today, energy efficient manufacturing has become a significant competitive factor.

By investing in energy efficient machines, and by restructuring the production facility, manufacturing companies can significantly reduce energy consumption. A study conducted by the VDMA verifies that in the year 2020, energy savings amounting to 12 billion will be possible in Germany solely through the use of machines which are more energy efficient. Nor will the machine manufacturing sector be able to circumvent this trend, for which reason the development and production of energy efficient systems, as well as environmentally-friendly use of resources, enjoy high priority at Rehm Thermal Systems.

+ High-quality and efficient insulation

- Less electrical energy is required for heating the chamber
- Waste heat given off into the atmosphere is decreased
- Reduced energy consumption for air-conditioning in the production facility
- Reduced operating costs
- Reduced investment costs for building equipment



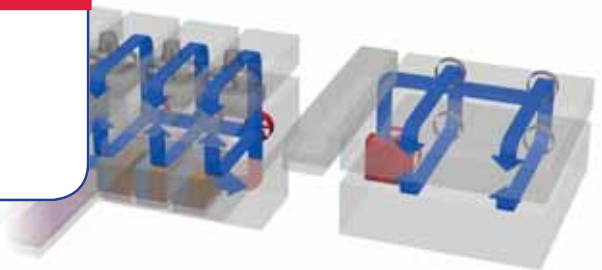
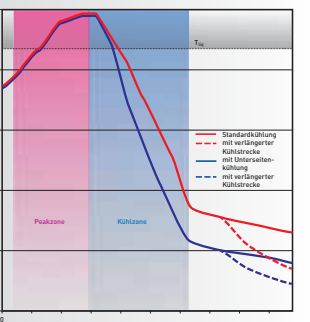
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Up to **20%** energy savings!

= A (+) plus for your production!

+ The Cooling Zone: Flexible - Efficient - Powerfull

- ▶ 2 to 4-stage cooling zone
- ▶ Accurate regulation of the cooling gradients
- ▶ Additional bottom side cooling or extended cooling tract possible

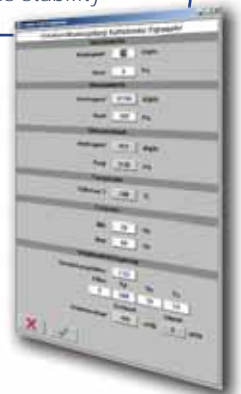


+ Filter Monitoring with Volumetric Flow Correction

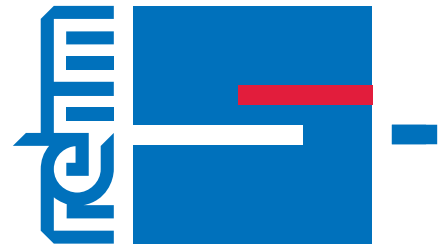
- ▶ Volumetric flow correction for a uniform cooling result
- ▶ Supervision of the filter contamination
- ▶ Software controlled maintenance intervals
- ▶ Optimisation of the process stability

+ Monitoring - Tools for Measurement of Consumption

- ▶ Cooling-energy meter
- ▶ Nitrogen Control
- ▶ Electrical power consumption and nitrogen consumption measurements
- ▶ Transparency for calculating manufacturing costs



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Technical Data Sheet Type 734

Process Chamber

| | |
|--------------------------------|--|
| Heating zone length: | 3500 mm |
| Preheating zones (top/bottom): | 7/7 |
| Peak zones (top/bottom): | 3/3 |
| Cooling zone (top): | 4 |
| Heat transfer: | Forced Convection |
| Process temperature: | max. 300 °C (Preheating zone) max. 350 °C (Peak zone) |

Dimensions

| | |
|---------------------------|----------------------|
| Length: | 6390 mm |
| Width: | 1576 mm |
| Height: | 1566 mm |
| Inlet height, adjustable: | 900 mm \pm 30 mm |
| Required area: | 10,07 m ² |

Weight

| | |
|---------------------|----------------------------|
| Weight: | 4100 kg |
| Load per unit area: | max. 400 kg/m ² |

Transport

| | |
|----------------------------------|-------------------|
| Transport width with CBS: | 65 - 508 mm |
| Clearance above/below transport: | 30 mm/30 mm |
| Transport speed adjustable: | 180 - 1800 mm/min |

Exhaust

| | |
|-----------------|--|
| Exhaust socket: | 1 x 150 mm \varnothing |
| Exhaust: | 400 m ³ /h at min. 5 mbar underpressure |

Noise level

< 70 dB(A)

Nitrogen

| | |
|---------------------------------|---------------------------|
| Operating pressure: | 5 bar |
| Nitrogen consumption <1000 ppm: | 16 - 18 m ³ /h |

Power supply

| | |
|----------------------------|---------------|
| Voltage supply: | 3x230/400 VAC |
| max. power supply / phase: | 115 A/Phase |
| Connected load: | 80 kW |
| Operating consumption: | ca. 11 kW |



Issue: April 2013. Technical changes without prior notice.

