



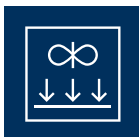
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THERMAL SYSTEMS

# Vision TripleX

## 3-in-1-Solution

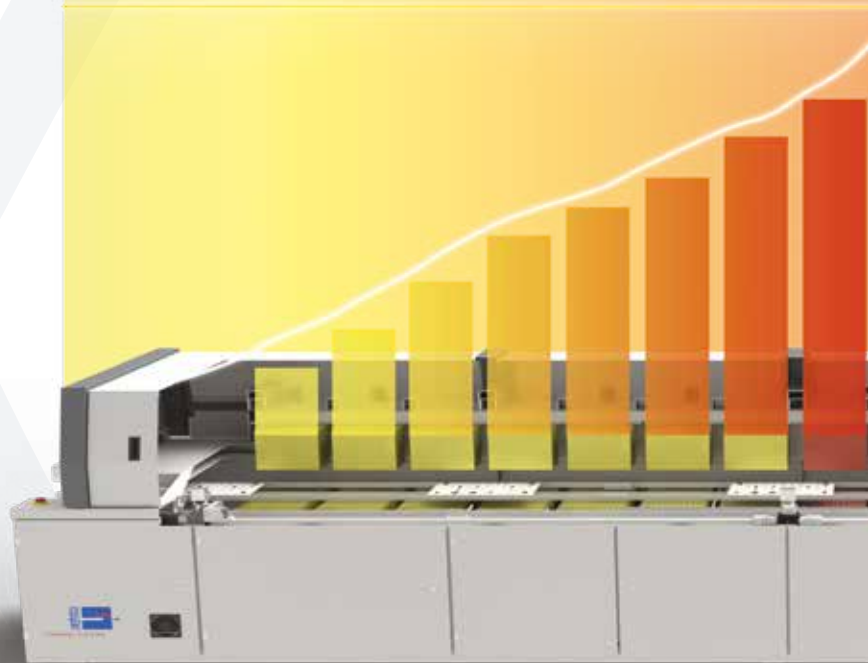


Vision TripleX  
Convection | Condensation | Vacuum

# Vision TripleX

## 3-in-1-Solution

Resource-saving, always one step ahead.



### 1. Convection Soldering

At the heart of our Vision series is the process chamber, which offers excellent heat transfer through advanced nozzle-hole geometry as well as controlled overpressure in the heating module. This ensures homogeneous, seamless heat transfer to the assembly. The inert process atmosphere can be safeguarded throughout the entire soldering process, as the closed system means no external air can enter the process chamber.

### 2. Condensation Soldering

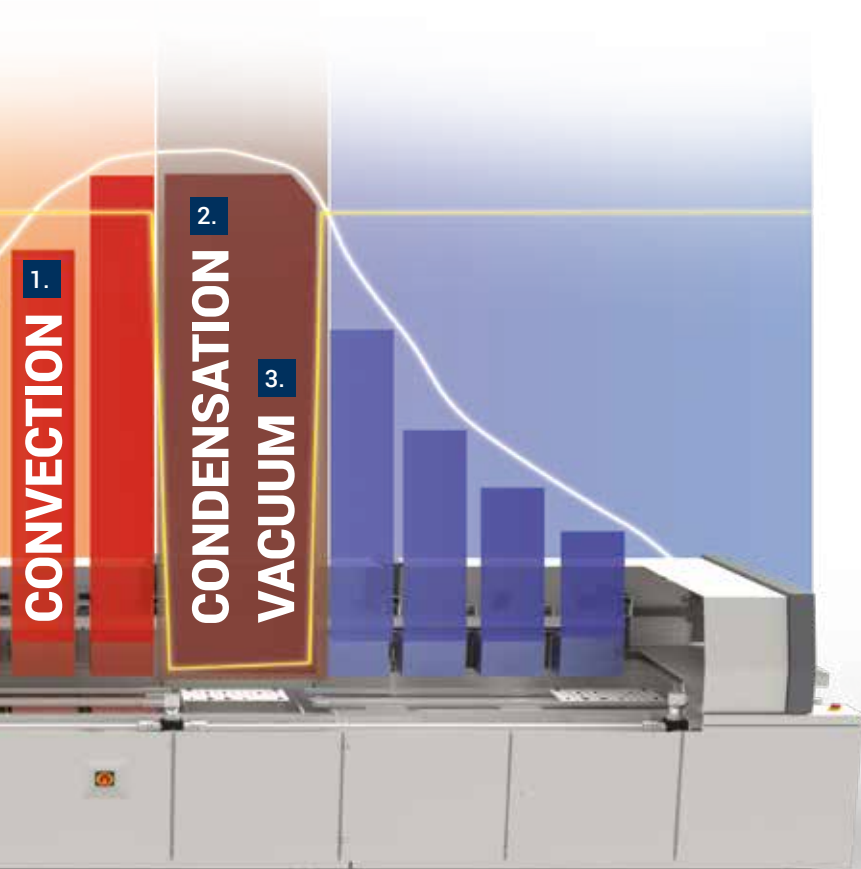
Heat transfer in condensation soldering is up to ten times higher than in convection soldering. This makes it particularly suitable for processing large or high-mass boards in a stable process atmosphere. The inert heat transfer medium used is perfluoropolyether (Galden®). To improve control of the condensation phase, Rehm has developed a patented injection process that allows the soldering procedure to be individually regulated.

### 3. Soldering with Vacuum

Soldering with vacuum reliably removes pores, gas occlusions and voids immediately after the soldering process – while the solder is still in its optimal molten state. Pressure and speed can be individually set. This integrated solution creates a time-efficient and stable production process.



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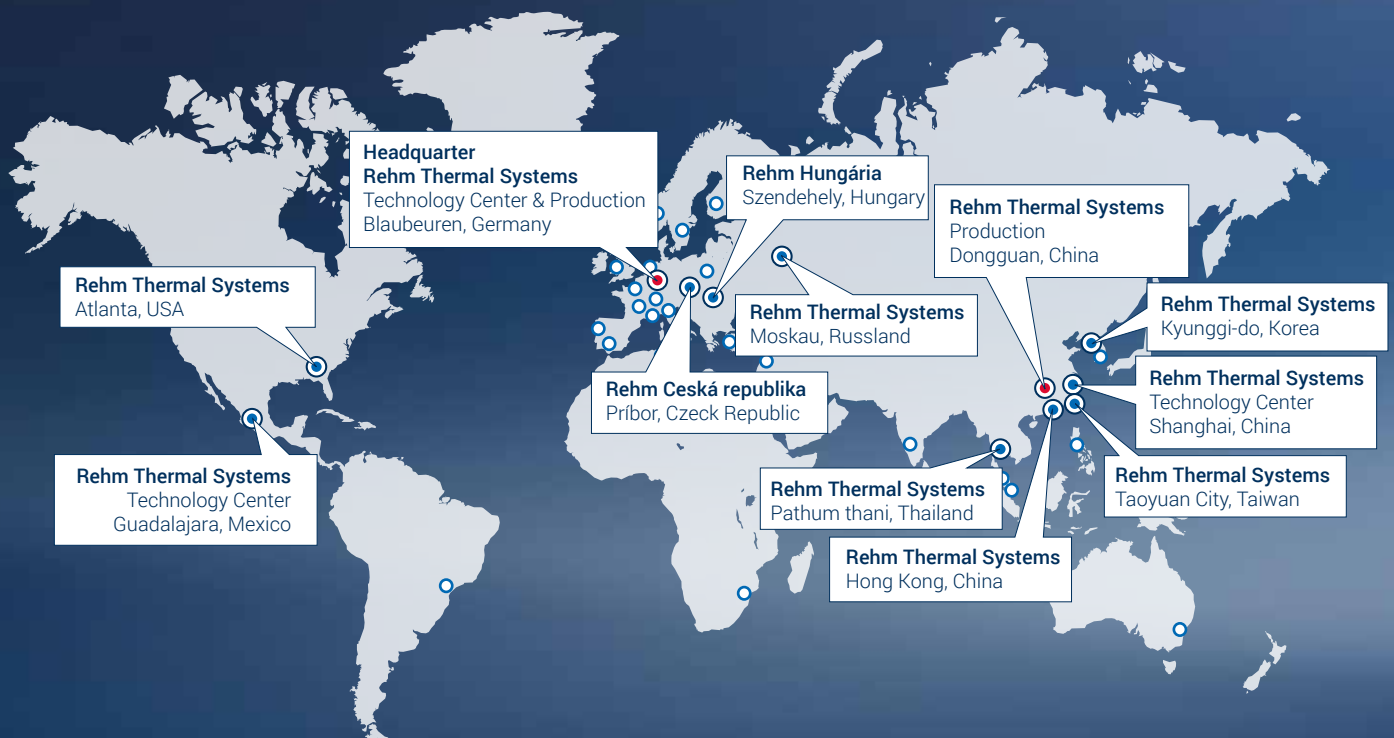


## Advantages for your electronics production:

- > Vision TripleX – three processes in just one system: More flexibility in the production of electronic assemblies
- > 3-in-1: A combination of traditional convection soldering, convection soldering under vacuum and condensation soldering in just one system saves investment costs and space in the production hall.
- > The flexibility of temperature profiling resulting from the combination of convection and condensation, in conjunction with the applicable atmosphere (air, N<sub>2</sub> and/or Galden®), allows high-quality solder joints to be performed on assemblies that vary greatly in thermal mass.
- > No additional product carrier is necessary for the Vision TripleX compared to the existing condensing system.



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## Rehm Worldwide

As a leading manufacturer of innovative thermal system solutions we have customers on every continent. With our own locations in Europe, America and Asia as well as 27 agencies in 24 countries we are able to serve the international markets quickly and to offer outstanding on-site service – worldwide and round the clock!

- Location
- Production facility
- Representation



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