

LET'S SHAPE YOUR NEXT MANUFACTURING PROJECT!

From concept to turnkey production systems



Automated manufacturing systems
for efficient, precise and reliable
heat exchanger production.



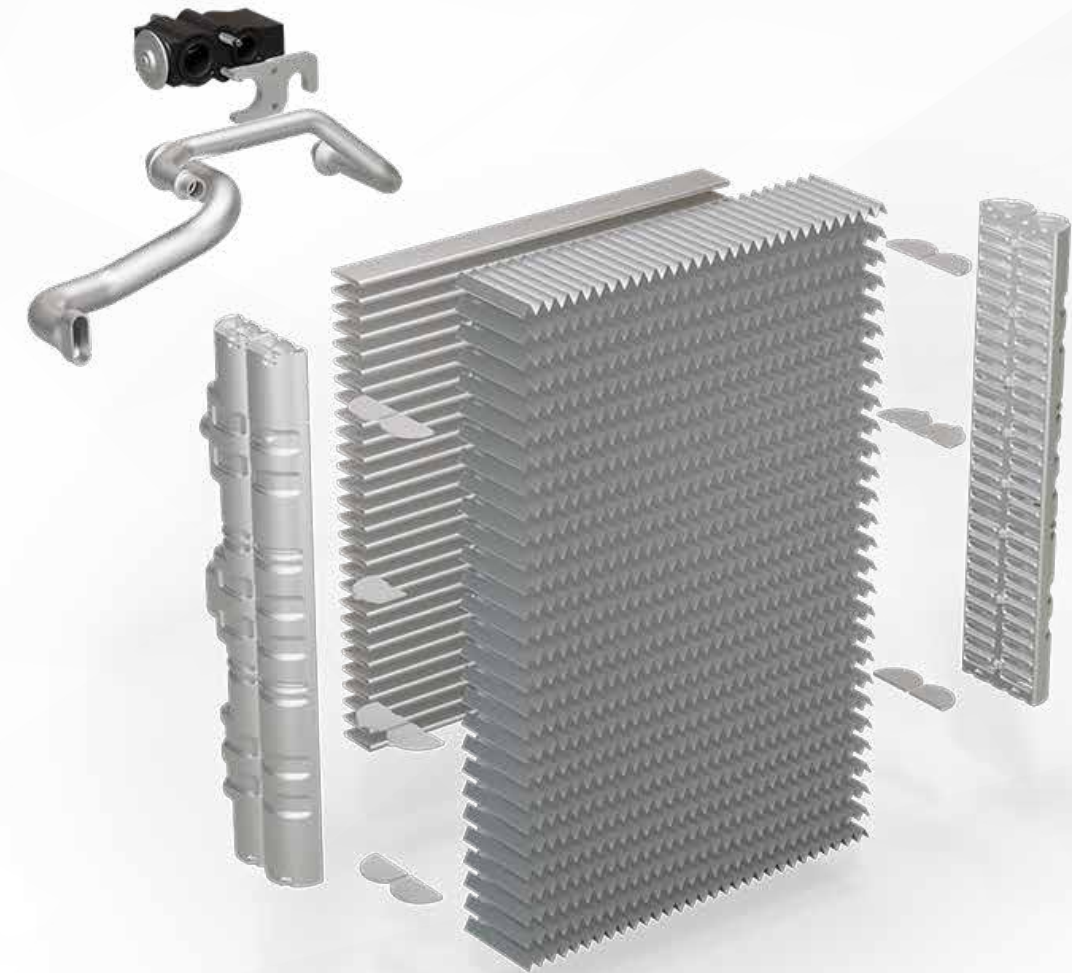
ZELTWANGER Thermomanagement GmbH & Co. KG
Maltschachstraße 32
72144 Dußlingen
Germany

+49 7072 92897-201
thermomanagement@zeltwanger.de



THERMAL MANAGEMENT

Turnkey solutions for heat exchanger manufacturing



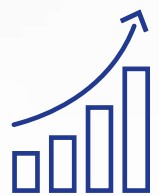
AUTOMATION

Increasing productivity
through integrated and auto-
mated manufacturing.



PRECISION

Enabling consistent product
quality and repeatable
manufacturing accuracy.



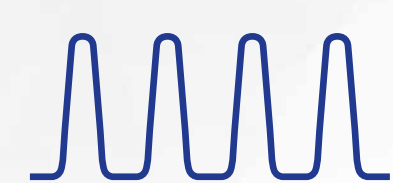
PERFORMANCE

Designed for high throughput
and maximum machine
availability.

INTEGRATED PROCESS SOLUTIONS

From fin production to automated end-of-line testing

Designed to maximize productivity, ensure repeatable quality and optimize manufacturing efficiency, our turnkey production systems combine expertise in automation, assembly and testing technology. Trusted by leading manufacturers worldwide.



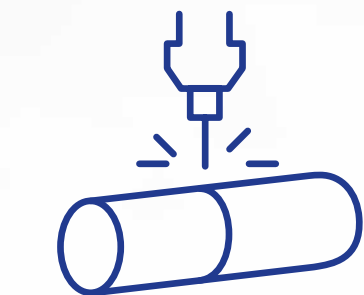
FIN MILL

Production of corrugated, flat and PTC fins for heat exchanger applications. High-speed processing ensures consistent fin geometry and efficient production.

Corrugated, flat & PTC fins

High-speed production

Short setup times



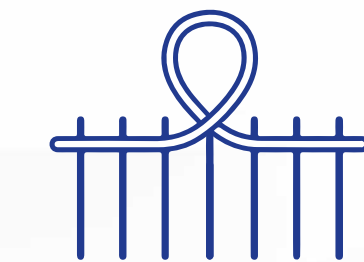
TUBE WELDING MACHINE

High-frequency welding of radiator, condenser and evaporator tubes. Integrated process control delivers reliable weld quality and repeatable results.

HF tube welding

Inline quality control

Repeatable weld quality



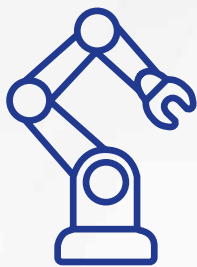
WIRE TYING MACHINE

Automated fixation of heat exchanger cores prior to brazing. Precise wire placement ensures stable handling and consistent brazing quality.

Automated core fixation

Precise wire placement

Optimized brazing process



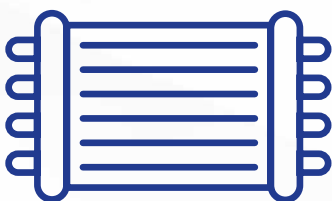
COLLECTOR ASSEMBLY

Automated positioning and assembly of collectors. Precise alignment enables reliable joining and reproducible assembly quality.

Precise positioning

Automated assembly

Reproducible quality



CORE BUILDER

Automated assembly of heat exchanger cores. Flexible system design supports efficient production of various core types.

Automated core assembly

Flexible core designs

High productivity

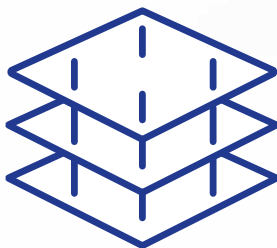


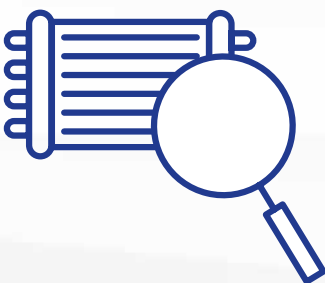
PLATE HEAT EXCHANGER STACKER LINE

Automated stacking of plate heat exchanger cores. Precise positioning enables efficient and repeatable series production.

Automated stacking

Precise positioning

High throughput



END-OF-LINE TESTING

Automated leak, function and visual inspection of heat exchangers. Integrated testing ensures product quality and full traceability.

Leak testing

Vision inspection

Full traceability