



Highlighting Thermo provides engineered process equipment for the compressor-, chemical- and air separating industry. The headquarters is located with its 50 employees in Huangshi City, China, manufacturing on a shop floor of 2.500 m<sup>2</sup> under the roof.

Highlighting Thermo's strength lies in the capability to execute all national and international design codes for air coolers, oil coolers, heaters, condensers, and other pressure vessels from the engineering process to the manufacturing process. Our flexibility in design codes offers our customers the opportunity to standardize their concepts for installation all around the world. Besides the code conform mechanical design calculation, thermal design calculation which are parts of our documentation package, we allow only qualified code approved welders to perform the welding on pressure vessel parts.

The prerequisites for an optimum quality management are fulfilled at Highlighting Thermo as planning, execution, documentation and monitoring combine to form an all-embracing system.

Current certifications: ISO 9001, ASME U-Stamp, TS-CHINA, TR-CU GHOST, PED EU.



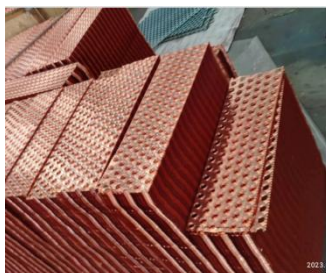
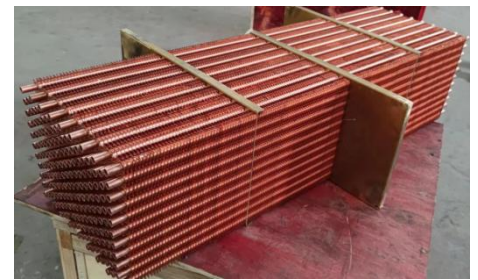
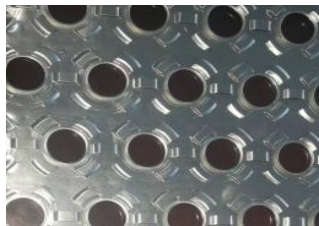
### EKE Enhanced Surface Element Cooler:

**Application:** Inter- and aftercooling for compressed gases e.g. centrifugal compressors

**Capabilities:**

<b>Design Pressure:</b>	[2 - 90] barg	[29-1305] psig
<b>Design Temp.:</b>	[-25 - 200] °C	[-13 - 392] °F
<b>Min. Flow Rate:</b>	[~7000] Nm <sup>3</sup> /min	[~ 4120] scfm
<b>Shell Diameter:</b>	[560 - 3500] mm	[22 - 138] inch
<b>Net Weight:</b>	[1 - 1000000] KG	[4.4 - 2204600] lb

**Materials:** CS, SS, CuNi alloys, Titanium, clad plates, Al and Cu fins.



### OIL COOLER for Lube-, Seal-, & Control Oil System:



Application: Compressor systems, off-gas expander, process pumps, steam turbines and gas turbines

#### Capabilities:

Max. Flow Lube Oil Sys.:	[~ 3600] l/min	[~ 952] GPM
Design Pressure:	[30] bar	[435] psi
Max. Flow Seal Oil Sys.:	[~ 250] l/min	[~ 66] GPM
Design Pressure:	[150] bar	[2176] psi
Materials:	Carbon Steel, Stainless Steel	

Scope: Whole cooling system including Pumps, filter, cumulator, oilcooler, piping, reservoir, and instrumentation.



## ZBW Air-cooled Heat Exchanger:

**Application:** Cooling of liquid or gaseous fluids by ventilating ambient air over a high-fin tube surface.

**Capabilities:**  
Max. Fan Dia.: [~ 3500] mm [~ 138] inch  
Max.BundleWidth:[~4000]mm [~ 158] inch  
Max. Bundle Length: [~10000] [~ 394] inch

**Scope:** Bundle, headers, supporting structure, fan, motor, louver, plenum



Highlighting Thermo has many different design solution with all kinds of high-fin tubes . This HF-tubing is a major component of our EKE Enhanced Surface Element Cooler and our ZBW Air-Cooled Heat Exchanger. HF-tubing shown below.



## HFT High-Fin Tubing:

**Tube Types:** Spiral-Wound Wrapped HF, Bi-Metallic HF  
**Fin Types:** I-Fin,G-Fin,L-Fin,E-Fin  
**Fin Material:** Al,Cu , CS  
**Tube Material:** Cu,CuNi Alloy, Admiralty, SS, CS, Duplex

