

# CIRCULAR SURFACE CONDENSER



# TEi

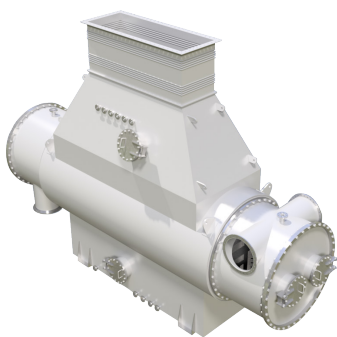
## OVERVIEW

**THERMAL ENGINEERING INTERNATIONAL (USA) INC.** (TEi), a Babcock Power Inc.® company, is a leading supplier of heat transfer technology products. Backed by more than 165 years of experience, we offer fully integrated design, engineering, manufacturing, construction and technical services for all power, oil and gas, chemical and petrochemical industry applications.

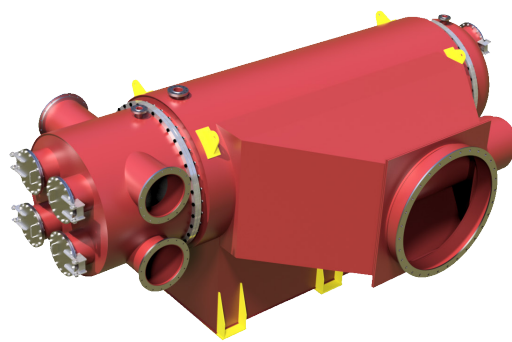
TEi's Circular Surface Condensers, manufactured using design methodologies perfected by decades of experience, provides customers with a proven optimal and economic design that offers protection against destructive tube vibration eliminating the possibility of failure.

The TEi brand is globally recognized for its technical superiority when it comes to performance. The TEi team understands that failures to these systems are costly and that reliability and efficiency are of utmost importance. TEi creates customized condensers designed to meet the plant layout requirement and space availability, and can also enhance performance by design optimization.

The key features of Circular Surface Condensers include an optimized compact tube layout for uniform steam distribution while providing customers an economic design. Other key features of our Circular Surface Condensers include a robust quality control, cost-effectiveness through localization of design, engineering and fabrication.



Top Steam Inlet Condenser



Axial Steam Inlet Condenser

**SAFETY® PEOPLE. POWER. PROJECTS.**  
We're giving safety the third degree.

Babcock Power Inc. and its subsidiaries place the safety, health and security of our people at the core of our company values. Our team is our most valuable resource, generating solutions everyday to deliver safe, clean, reliable energy globally. With a keen focus on safety, Babcock Power Inc. conducts business in a manner that protects our people, our customers and the environment. From innovation to generation, we are proud of our award-winning safety record and are committed to operating with integrity and excellence.

The data contained herein is solely for your information and is not offered, or to be construed, as a warranty or contractual responsibility.  
© Thermal Engineering International (USA) Inc., 2021



## FEATURES

- Axial steam inlet / top steam inlet
- Single pass / two pass
- Divided waterbox / non-divided waterbox
- Optimized tube layout geometrics
- Superior surface area design to promote maximum heat transfer efficiency
- Optimal bundle arrangement to promote low steam velocities
- Protection against destructive tube vibration
- Minimizing troubleshooting during operation

## BENEFITS

- Reliable
- Less down time
- Best thermal efficiency
- Economic condenser proposal
- Trouble-free operation for longer period
- TEi's design provides robust tube to tubesheet joints minimizing chances of failure during operation
- Can be offered with design and build as per ASME Section VIII Division 1

