

 **OMEEL Coils Pvt Ltd**  
*We give life to your cooling system*



# OUR STORY

In 2000, OMEELCoils Pvt. Ltd. began as a vision shared by a small group of dedicated engineers. Their goal was clear: to establish a company that would redefine the standards of heat transfer technology in India and beyond. What started as a modest endeavour has evolved into a legacy of excellence.

From the very beginning, our founders set a high bar for innovation, quality, and customer satisfaction. We aimed not just to meet industry standards but to exceed them consistently. Our journey has been marked by numerous milestones, each contributing to our reputation as a leader in heat transfer solutions.

Over the years, we have grown and capabilities, yet our core values remain the same. Integrity, excellence, and innovation are woven into the fabric of Omeel Coils Pvt. Ltd. Our commitment to sustainable practices, community engagement, and employee development is a testament to our broader mission.

Today, OMEEL Coils Pvt. Ltd is more than a company; it is a family. Our team of engineers, designers, and support staff shares a common passion for advancing the field of heat transfer. We thrive on challenges, and every project, no matter how big or small, is an opportunity to prove our mettle.

Our journey has been remarkable, but it is far from over. The future holds even greater promise. As we look ahead, we see endless possibilities for pushing the boundaries of heat transfer technology and making a positive impact on the world.

# **MISSION**

- Our mission is to passionately produce high-quality industrial heat transfer products and services at competitive rates, driven by our commitment to meet market demand through advanced machinery, cutting-edge technology, and unwavering work excellence.
- With utmost integrity, we strive to give complete customer satisfaction, build long-term relationships, and exceed expectations by upholding transparency and ethical practices.
- Our main focus is on Quality, Reliability, and Customer value which put us as a leader in the industry and making a positive impact on the mark.

# **VISION**

- With having two decades of industry expertise, our vision is to establish OMEEL Coils Pvt. Ltd as one of the top leading company in HVAC and Heat Exchanger Segment by upcoming years.
- We are committed to implement international quality standards in our products and services, ensuring excellence in every aspect.



# COOLING/CONDENSER COILS



## SPECIFICATION

Tube Diameter	7 mm 3/8", 1/2", 5/8", 3/4 "& 1"
Tube Material	Copper, Cupronickel , Stainless steel, Admiralty brass, Naval brass, Carbon steel, Galvanized steel.
Fin Material	Bare Aluminium, Hydrophilic Blue Aluminium, Chemical Coated Aluminium, Copper, Stainless steel, Naval brass, Heresite coating.
Fin Thickness	0.01 mm to 0.50 mm
Casing Material	Galvanized Iron, Stainless Steel, Aluminum, Copper, carbon steel.
Header	Copper, Stainless Steel, Carbon steel, Naval brass,
Coating & Finishing	Heresite anti corrosion coating, Galvanized Iron coating, Epoxy coating, PU Coating, Phenolic coating , silver coating.
Brazing & Welding	Copper brazing, Induction brazing , Silver brazing , Bronze brazing , MIG welding, TIG welding, ARC welding.

# SHELL & TUBE HEAT EXCHANGER

- Our journey begins with precision in shell cutting, tube cutting, and tube straightening, ensuring ideal dimensions for our heat exchangers. Skilled craftsmen then shape the tubes with utmost precision through tube bending.
- Baffles are machined on our advanced lathe machines, receiving meticulous attention to detail. We achieve precision by creating perfectly aligned holes through CNC drilling.
- Simultaneously, tube sheet machining and drilling ensure a seamless fit and proper flow distribution.
- The heart of our shell and tube heat exchangers lies in the tube bundle assembly.
- Our experts meticulously position and secure the tubes inside the shell, ensuring optimal heat transfer.





- Quality is uppermost at OMEEL Coils. We subject each heat exchanger to rigorous hydraulic and pneumatic tests, ensuring they meet our stringent standards.
- Only the finest materials, including **carbon steel, mild steel, and stainless steel, are chosen for the construction of our shells. Copper Cu: Ni, Brass, SS 304/316, MS, and CS** materials are chosen for Tube.
- Our shell and tube heat exchangers find application in a wide range of industries. We Manufacture Shell and tube evaporators, condensers, process heat exchangers, and compressor coolers, our products cater to diverse needs. Moreover, we pride ourselves on our ability to customize solutions to meet unique requirements.



# DRY COOLER

- OMEEL Coils Pvt. Ltd Dry Coolers are compact, multiple-row finned tube coolers with direct-drive fans. They efficiently cool closed-loop applications by circulating fluid through tubes with cooling air flowing over the finned surface.
- The high-performance copper, Mild Steel (MS), and Stainless Steel (SS) tubes, with internally and externally grooved fins, ensure low fouling and high heat transfer.
- Compliant with ASME & TEMA Code, these dry coolers come in modular designs, including Flat-bed and V-bank/W-bank units in single and double bank configurations.
- OMEEL Coils Pvt. Ltd offers a range of dry air coolers with precise matching to specified requirements, considering duty, cost, noise level, size, and efficiency.
- Capacity : 50kw – 1000kw



We manufacture high-quality fin and tube condenser coils that are engineered for performance and durability. Our coils are designed to meet the specific requirements of our clients, ensuring optimal heat transfer efficiency and reliable operation. With our expertise in coil manufacturing, we deliver products that meet the highest standards of quality and performance.

## **APPLICATION**

### HVAC Sectors:

- Air conditioning systems
- Refrigeration units
- Heat pumps

### Power Generation and Utilities:

- Power plant cooling systems
- Steam condensers

### Chemical and Petrochemical Industries:

- Chemical processing equipment
- Petrochemical refining processes

### Food and Beverage Processing:

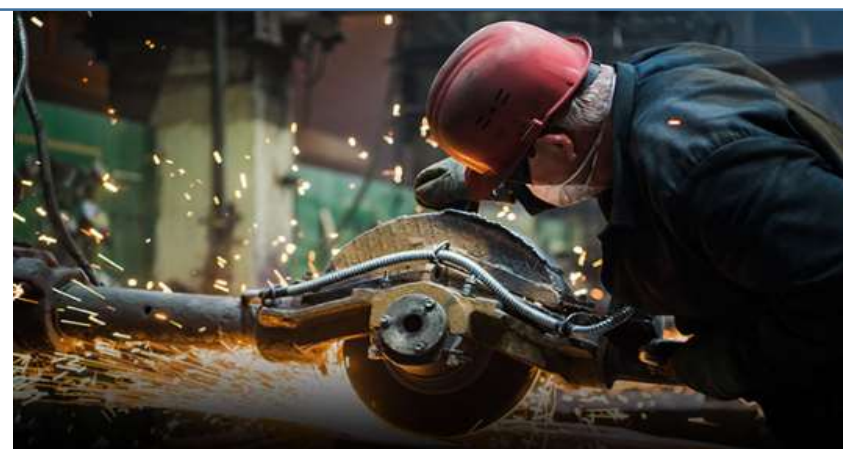
- Cooling and refrigeration in food storage and processing
- Beverage production and storage





### Metal Industry:

- Cooling systems for metalworking machinery
- Heat recovery in metal processing



### Heavy Engineering Industries:

- Heat exchange in heavy equipment manufacturing
- Industrial cooling for machinery and equipment

### Textile Industry:

- Cooling in textile machinery
- Dyeing and finishing process



### Pharmaceuticals and Healthcare:

- Sterilization processes
- Controlled temperature storage



### **Capacity**

- 3 KW to 2000 KW

### **Refrigerant temperature**

- Max Temp 120 degree Celsius
- Min Temp -30 degree Celsius

### **Ambiant Temp**

- Min Temp -10 degree Celsius
- Max Temp 75 degree Celsius





# TECHNICAL STRENGTH





# FACTORY OUTLET





# VALUABLE CLIENT

## Government Sector



## HVAC Sector



## Metal, Power and Heavy ind. Sector



GRINDWELL NORTON LTD.



## Textile Sector



## Pharmaceutical Sector



## Chemical Sector



## Food Sector





# THANK YOU



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