

# COMBIMELTER INTRODUCTION

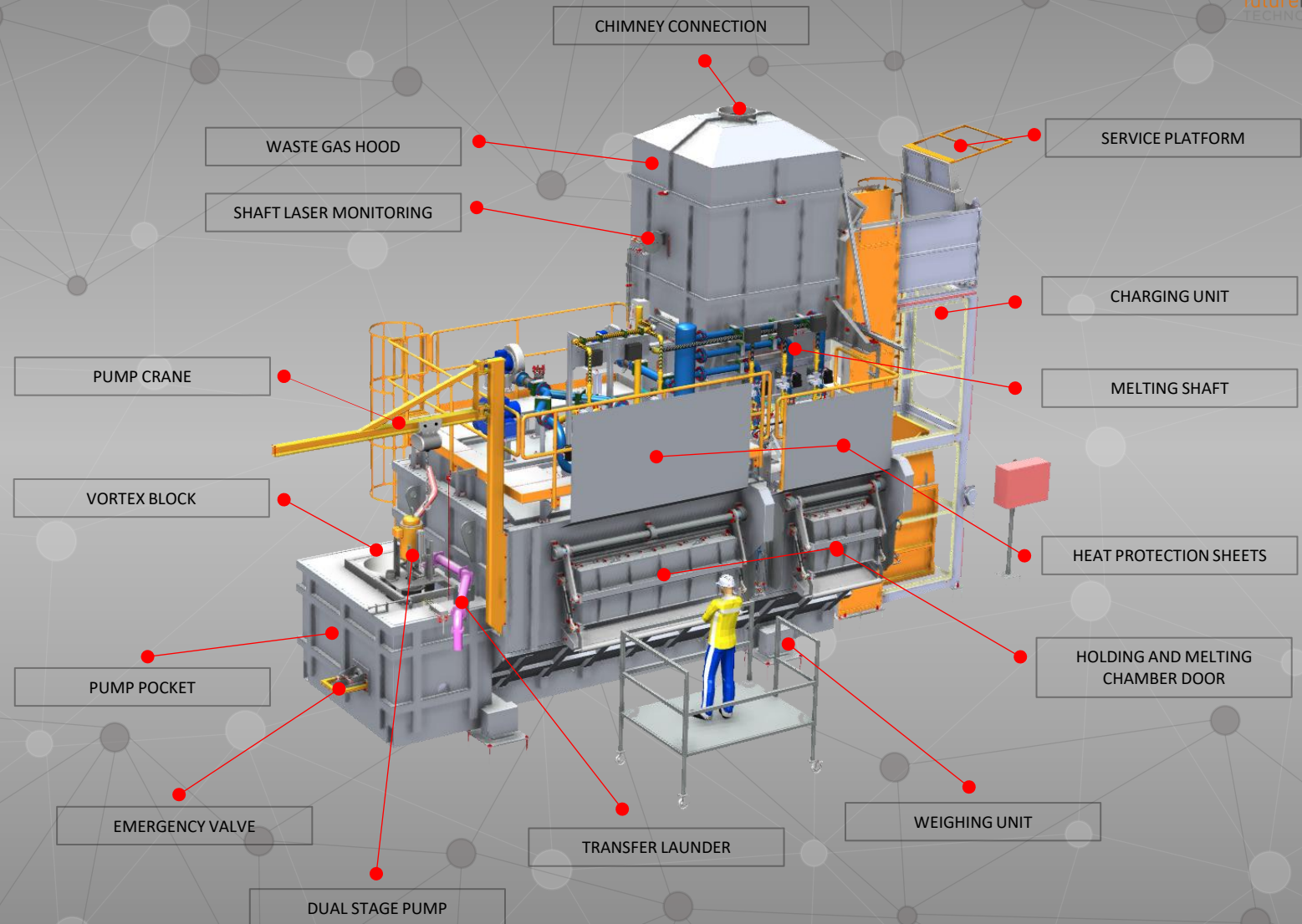


futuremetals  
TECHNOLOGIES

# COMBIMELTER

## KEY FEATURES

- MELTING RATE (SHAFT) – UP TO 5.000 KG/H
- MELTING RATE (CHIPS) – UP TO 2.000 KG/H
- HOLDING CAPACITY – UP TO 20.000 KG
- LOW ENERGY CONSUMPTION
- MINIMUM METAL LOSS
- STATIONARY OR TILTING
- ENLARGED SHAFT SPACE (WHEELS MELTING)
- SHAFT REINFORCEMENT (WHEELS MELTING)
- EXTRA LARGE CHARGING CART
- CHIP MELTING POCKET
- HIGH EFFICIENCY DUAL-STAGE METAL TRANSFER PUMP
- HYDRAULICALLY OPERATED CLEANING DOOR
- WEIGHING MODULE WITH PRODUCTION REPORTS
- BAFFLE SYSTEM TO ENSURE LOW ENERGY CONSUMPTION
- SHAFT FILLING LASER MONITORING
- METAL LEVEL LASER MONITORING
- SIEMENS S1200 / S1500 PROGRAMED IN TIA PORTAL
- REMOTE VPN DIAGNOSIS
- STATE OF THE ART CONTROL CABINET
- INDUSTRIAL STANDARD BURNER SYSTEM



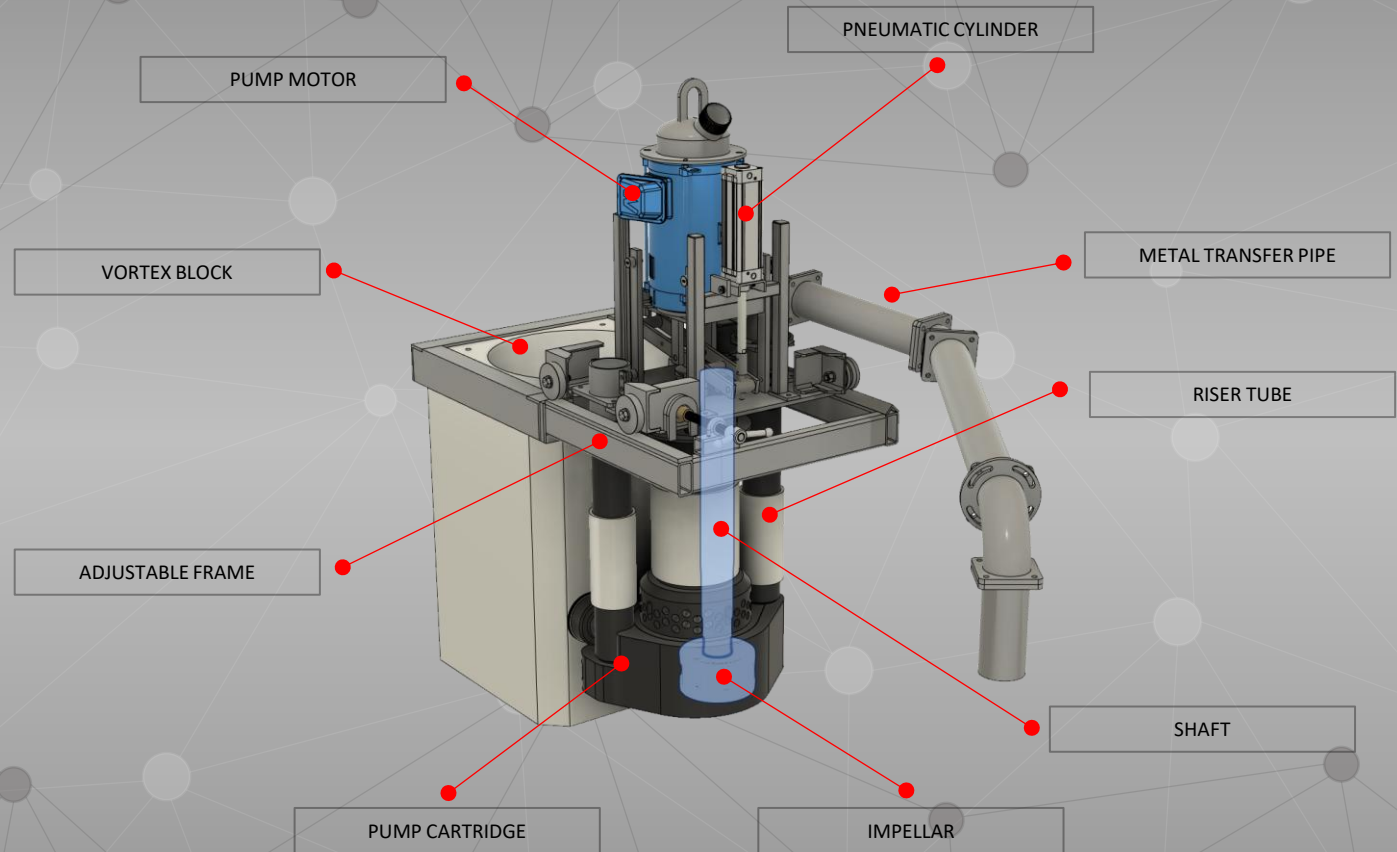
# DUAL-STAGE PUMP

## KEY FEATURES

### DUAL-STAGE SINGLE PUMP SYSTEM

The **Integrated Chip Melting and Metal Transfer Pump** offers a versatile solution for aluminum processing by combining efficient scrap submergence with smooth metal transfer capabilities. The system features advanced forced circulation technology, creating a powerful vortex that rapidly submerges aluminum chips into the molten bath, enhancing both temperature uniformity and chemical consistency. Additionally, it seamlessly transfers molten aluminum from the furnace to ladles or casting cells through refractory-lined piping, reducing oxidation and ensuring safer, more efficient operations—all within a single, streamlined device.

- HIGH EFFICIENCY
- RELIABLE OPERATION
- EASY MAINTENANCE
- LOW RUNNING COST
- EASY OPERATION
- ADJUSTABLE TRANSFER SPEED
- ADJUSTABLE VORTEX STRENGTH



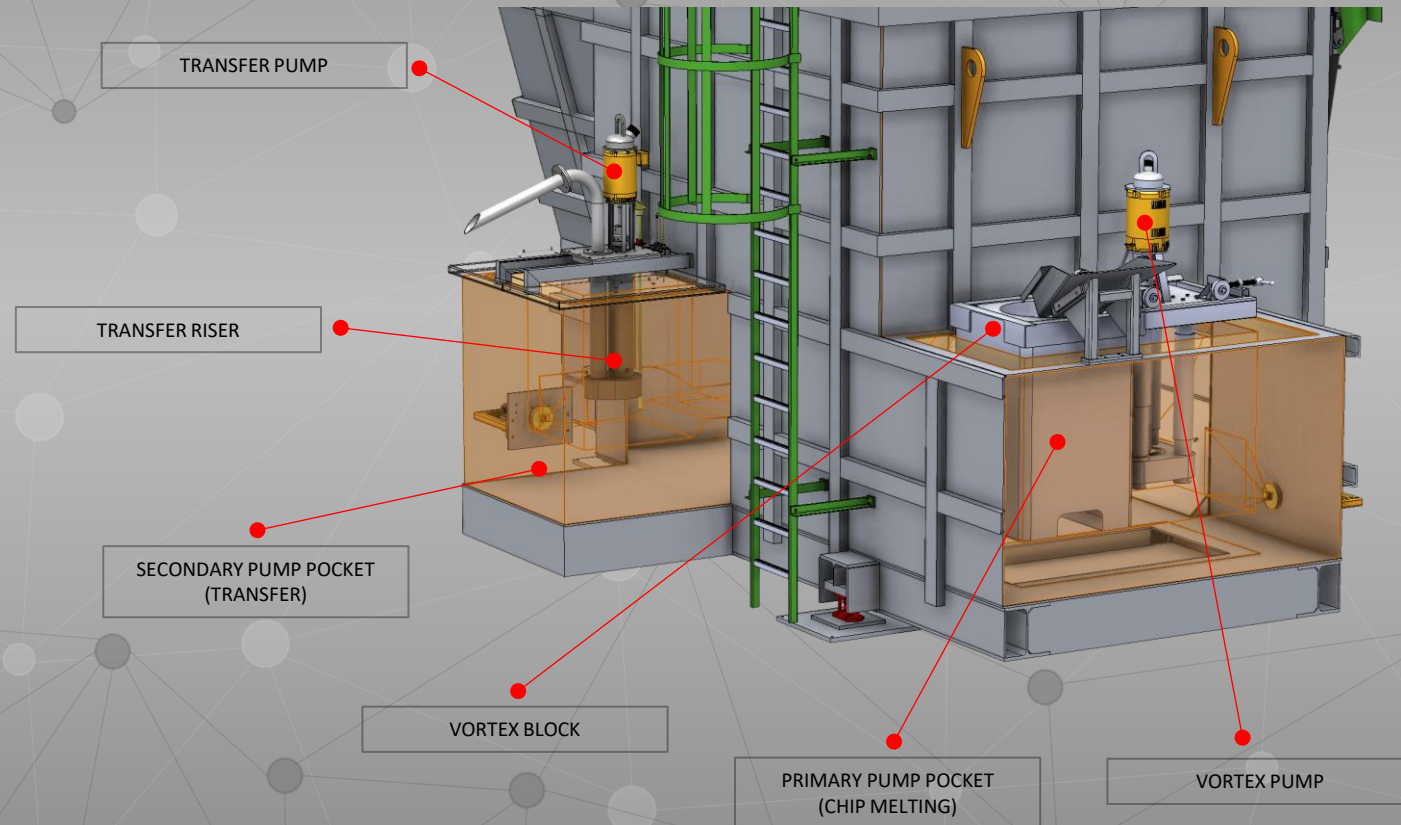
# DUAL-PUMP SYSTEM

## KEY FEATURES

### SINGLE OPERATION - DUAL PUMP SYSTEM

**Chip Melting Pump** is a continuous scrap submergence solution enhanced by forced circulation. The integrated pump creates a powerful vortex, efficiently immersing aluminum chips into the molten bath, enabling seamless automation of furnace loading. Helps Improves temperature and chemical homogeneity of the metal.

**Metal Transfer Pump** system can transfer molten aluminum from the melting furnace to a transport ladle or directly to casting cells. By using refractory-lined piping, the process minimizes oxidation and enhances operational safety.





# COMBIMELTER GALLERY





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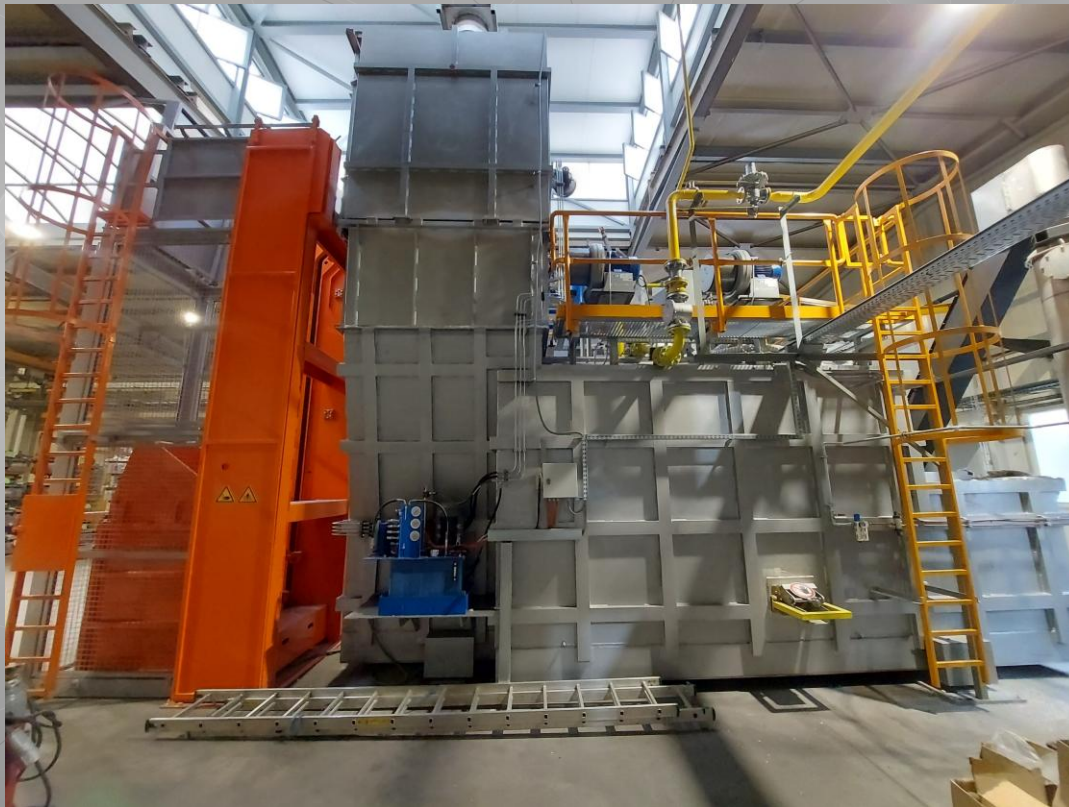


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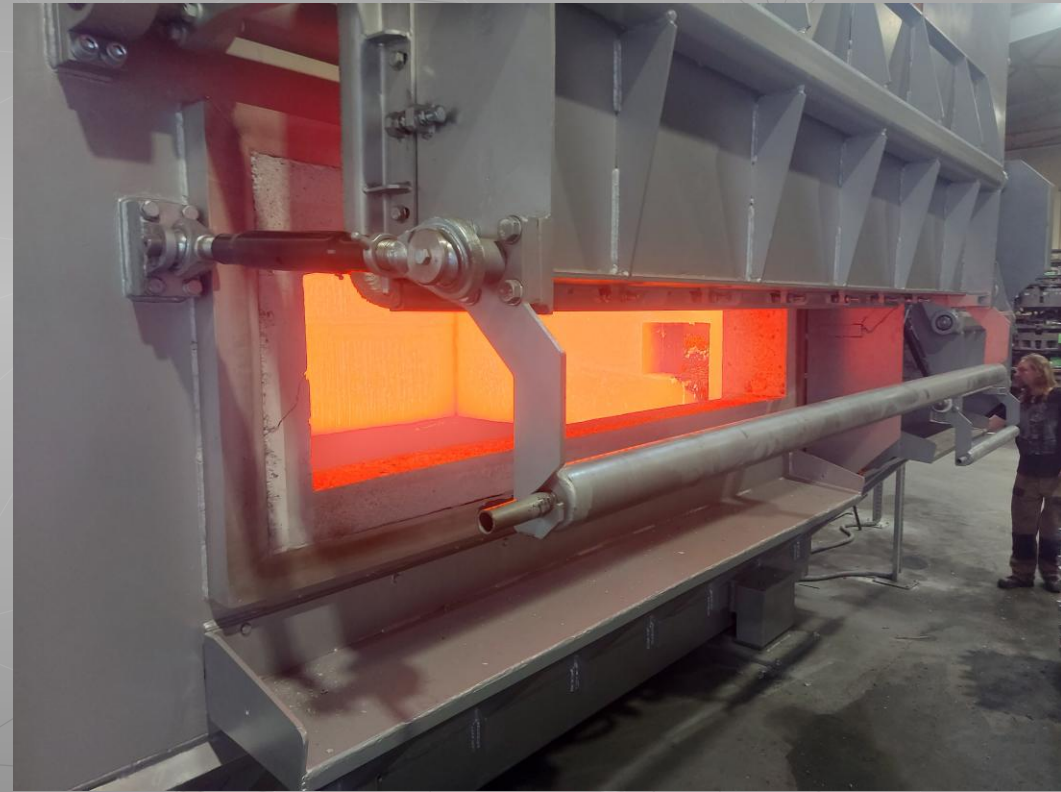


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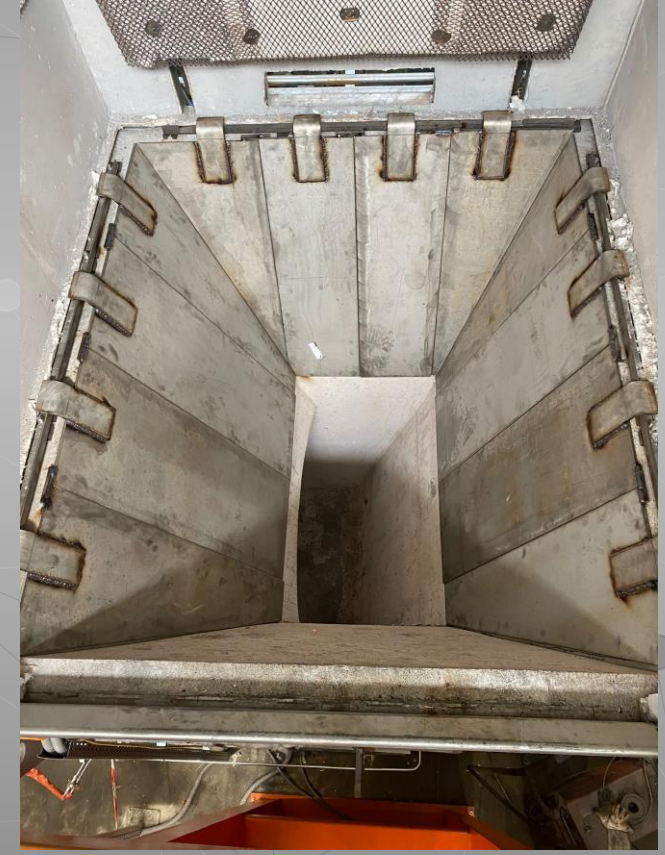


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