

Industrial Furnace

- Tempsens offer maximum Temperature ranges up to 1600°C.
- Melting Capacity of Tempsens make Tilt pouring Furnace ranges up to 100 Kg.
- FeCrAl up to 1200°C and Mosi₂ Heaters for 1600°C operating temp.
- Controlled Pouring
- Space-Saving
- Uniform Heat Treatment
- Efficient Metal Transfer
- Reduced Dross Formation
- Multi segment programmable temperature control
- Tilt pouring furnaces integrated into automated casting systems, further improving production efficiency.
- Skin temperature below 70°C.
- Easy access to the furnace components for maintenance and repair is essential for minimizing downtime in industrial settings.
- RS232/RS485 communication for Remote communication and include data logging capabilities.

TILT POURING FURNACE-TPF



Tilt pouring furnace is used in the metal casting industry for melting and pouring molten metal into moulds or casting cavities. It is designed with a tilting mechanism that allows the crucible or container holding the molten metal to be tilted and poured easily and precisely.

Tempsens make Tilt pouring furnaces specially designed to be used in foundries, various metal casting process like Die casting, Sand casting, Investment casting or different types of Nonferrous metal casting, metalworking shops, and manufacturing facilities where precision casting is essential. Their ability to tilt and control the pouring angle ensures consistent casting quality and minimizes defects in the finished products.

Standard Model

| Model | Max Temperature | Effective Inner Dimension | Controlling Sensor | Heating Element |
|----------|-----------------|---------------------------|--------------------|-------------------|
| TPF 1200 | 1200°C | Customized Size | N | FeCrAl |
| TPF 1400 | 1400°C | | R | SiC |
| TPF 1600 | 1600°C | | B | MoSi ₂ |

Applications

- Glass Industries.
- Foundries.
- Die Casting.
- Investment Casting.
- Non-Ferrous Metal Casting.
- Continuous Casting.
- Laboratory and Small-Scale Applications.

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