

EcoMelter[®] Type MSO



Melting and holding furnace

- Future-orientated design ensures a safe investment
- Energy saving through the use of regenerative burner systems
- Flexible (quick alloy change)
- Clean (minimized burn-off losses)



EcoMelter[®] Type MSO

Melting and holding furnace

The EcoMelter[®] Type MSO is a melting and holding furnace with or without a dry hearth. It is used in foundries with a low metal requirement and frequent alloy changes. On average, the furnace is capable of processing 20–25 tons of liquid metal every 24 hours with bath sizes of between 2 t and 5 t. The charging of metal is performed almost independently of the removal of liquid aluminum.

Less dross formation

In its standard version, the oven is fixed with a pneumatically actuated casting tap. The EcoMelter[®] Type MSO furnace geometry, with its small bath surface, results in reduced dross formation and the large bath door facilitates skimming works.

Customer-specific charging

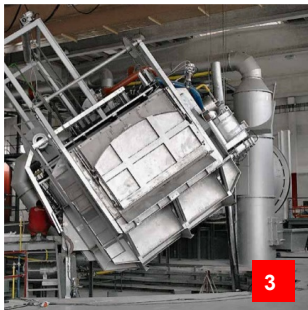
We strive to meet your individual charging requirements – and ensure the design requirements are met. The charging of piece goods, e.g. T-bars may be performed through the dry hearth door. Small-size in-house scrap is generally handled with a semi-automatic lifting and tilting device for containers; charging is then completed through the charging shaft.

Advantages:

- Safety of investment through heat recovery
- Lower overall energy consumption through regenerator burners
- Waste gas temperatures < 300 °C
- Minimised burn-off losses
- More frequent alloy change through matched furnace geometry
- Easy charging using a wheel loader or a forklift
- Easy handling through a large bath door
- Can be equipped with the AluTreat[®] bath treatment for aluminum

Programmable control

The system is controlled by a Siemens PLC, in which the entire system and all necessary data are visualized.



1. EcoMelter[®] MSO
2. PulsReg[®]-System at EcoMelter[®]
3. EcoMelter[®] MSO tilted

An overview of our industrial furnace products:

- MultiMelter[®]
- EcoMelter[®] HSO / MSO / WSO
- Casting furnace GO
- Rotary drum furnace DKO
- Charging
- AluTreat[®]

