

## Pusher shield charging machine SC



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Movable – for hearth and bath melting furnaces with an open charging trough

- Modern design ensures a safe investment
- Fast charging
- Charging weights of 1–25 t
- Docking hood to the furnace is available as an option



## Pusher shield charging machine SC

### Movable – for hearth and bath melting furnaces with an open charging trough



#### Series with loading weights from 1 to 25 t

The main features of the pusher shield charging machine SC is its rail-based design and its charging trough that is open in the forward direction. When charging, the hydraulic pusher shield carries the scrap from the trough into the oven. Thanks to its intelligent design, charging takes place in a completely closed system out of which flue gases are extracted. As a rule, this type of machine is used with short shaft furnaces or hearth and bath furnaces.

#### Applications

Ideal for chunky scrap, profiles, T-bars, packages, ingots and in-house scrap. Limited application for charging swarf and metal chips

#### Advantages:

- Modern design ensures a safe investment
- Adaptation of structure sizes to the furnace
- Automatic operation
- Option:
  - Weighing of scrap
  - Charging of several furnaces in a row
  - Visualisation and data exchange with the furnace system
  - Extraction of charging fumes during operation

#### Simple handling

The low charging height makes loading extremely uncomplicated; this can be performed with a forklift or wheel loader. For loose scrap it may be advantageous to use a wheel loader with a grab.

#### Fast charging – with enormous capacity

This series handles even large charge weights in a short time. The largest machine charges up to 25 t within a few minutes whilst delivering excellent availability and low maintenance effort.

#### Drive

The machine is equipped with an electrical drive system; all other functions are hydraulic.

#### Design

- Heavy engineering design: Robust and solid
- Rail-based design
- Tracks can be arranged either transversely or longitudinally to the furnaces

1. Charging machine SC (3t)
2. Charging machine SC (3t)
3. Charging machine SC (5t)

#### An overview of our industrial furnace products:

- MultiMelter®
- EcoMelter®
- Casting furnace GO
- Rotary drum furnace DKO
- Charging SC/TC
- AluTreat®

