Travelling Charging Conveyor

JOEST charging machines are tough machines that are able to meet the high demands of foundry operation thanks to a mature and sophisticated design. They essentially consist of a hopper, vibrating discharge feeder, chassis frame and control unit. Usually, the hopper capacity is designed so that the furnace can be completely filled.

The charging machine is filled in a defined loading position via overhead crane, forklift, wheel loaders, tilting lift equipment or similar. From this loading position, the charging machine moves to a defined unloading position via longitudinal or lateral movement or both. Once the unloading position is reached, the vibrating conveyor is started and the material present in the hopper is emptied into the furnace.

ADVANTAGES

- ☑ Sandwich design of hopper and trough for noise reduction
- ☑ Optimized vibration parameters for quiet conveying
- ☑ Optimized hopper outflow and internal geometry to prevent blockages
- ☑ Chassis consists of standard parts
- ☑ Geometry adapted to the furnace and furnace platform
- ☑ Power supply optionally via cable drum, trailing cables or energy chain
- ☑ Planning security thanks to 3D design
- ☑ Communication with all common smelting controllers

A member of the JOEST group

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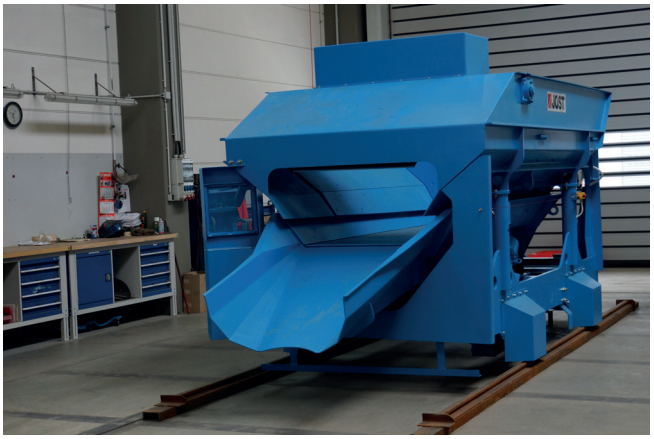

APPLICATIONS

- Furnace Charger

OPTIONS

- Longitudinally movable OUL
- Longitudinally and laterally movable OULQ
- Intermediate weighing frame
- Additive container
- Rotating conveyor trough on turntable
- Brake flap at the outlet to avoid material shooting through while discharging

TECHNICAL DATA

- Significant design details differ depending on the application. Roughly speaking, the machines are set up differently for the following applications:
- Coreless induction furnace (iron foundry)
- Crucible furnace (non-ferrous metal foundry)
- Rotary furnace (aluminum smelter)
- Previous designs are available for the feeding of furnaces with a capacity between 2 – 12m³