FILLING CARS

TECHNICAL DESRIPTION

Filling cars are intended for filling charge into the crucible induction furnaces . Weight of the charge may be in the range of 2-10 tons . The charge is delivered as a single piece of a maximum size about 400 mm and it usually consists of a combination of scrap steel, scrap metal, scrap iron and recyclable material . The vehicle may be equipped with an auxiliary hopper for additives into the melt.

The carriage of the filling car can be rather longitudinal in the axis of the car or crosswise to the axis of the car; the railway track gauge is usually 950 or 1435 mm.

The power supply of the vehicle is furnished by self-rechargeable cable drum or by cabel chain operated remotely by a radio station. The stack in the parking position fills the whole weight of heat furnace by a magnet, AC traveling between the parking and loading position above the furnace gradually fills the kiln feed. When driving into the loading position of the vehicle, the lid of the furnace must be opened and the furnace must be settled in the starting position. The carriage of the vehicle and condition of the furnace are mutually blocked.

The carriage of the vehicle and the launching of the conveyor is controlled by the remote control of the command radio station located at the operator's furnace. The control is also possibly secured by the operation of the control box located on the side of the car.
The vehicle is equipped with the following safety features:

- Flashing lights located on both sides of the car that are active during driving,
- Acoustic horn signalling each car carriage,
- The TOTAL STOP button located on the control box of the operator,
- Pulling up of the car in the end positions of the track is secured by a mechanical limit switches and ramps for casters .

Specific examples of applications are handled individually according to the customer´s needs .

BASIC TECHNICAL AND DIMENSIONAL DATA

Technical parameters		ZVP 060.019.02 BR	ZVP 080.028.04 BR	ZVP 100.026.09 BB/M
Diameter of Cup	mm	600	800	1100
Hopper Capacity	m^3	1,75	3,5	9
Weight of Charge	t	2	4	10
Max. Dimension od the Package	mm	350	400x400x400	400
Weight of Piece				
- Current	kg	30	40	60
- Maximum	kg	60	100	120
Filling Time	min	5 až 8	8 až 10	10 až 20
Feeding Performace	t/hod	30	10 až 40	60
Vehicle Carriage	-	longitudinal	longitudinal	longitudinal
Carriage Speed	m/min	18	18	18
Track Gauge	mm	950	1435	1435
Throat Dump to the Track	mm	1900	2800	2600
Total Input Power of the Vehicle	kW	6	7	13,5
Max. Width of the Vehicle	mm	1250	1700	2500
Max. Length of the Vehicle	mm	4950	6000	6000
Max. Vehicle Height	mm	1850	2000	2800
Vehicle Weight	t	2,5	5	8
Gross Vehicle Weight with Batch	t	40,5	9	18

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OUR REFERENCE

MNÍŠEK POD BRDY

Date of implementation – 2008

Specific examples of applications are handled individually according to the customer´s needs .

OUR REFERENCE

KOPŘIVNICE

Date of implementation – 2009

Specific examples of applications are handled individually according to the customer´s needs .

OUR REFERENCE

BRNO

Date of implementation – 2013

Specific examples of applications are handled individually according to the customer´s needs .

OUR REFERENCE

TŘINEC

Date of implementation – 2014

Specific examples of applications are handled individually according to the customer´s needs .

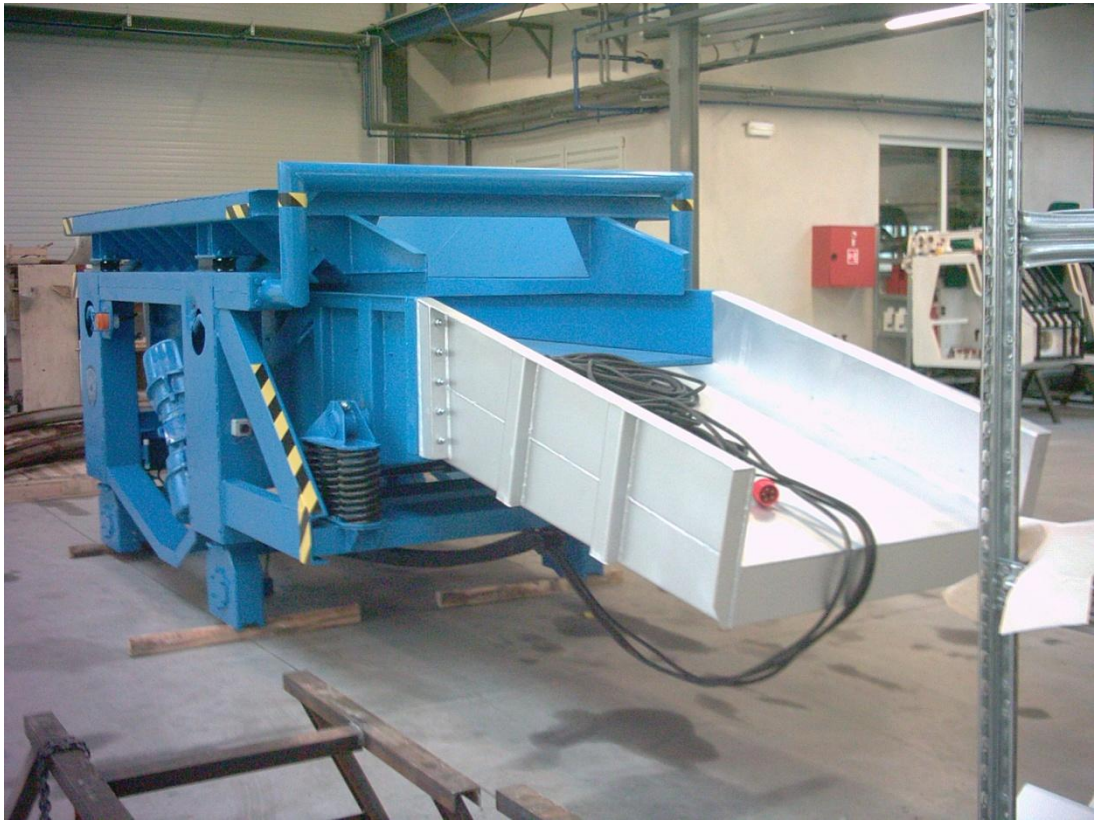
OUR REFERENCE

OLOMOUC

Date of implementation – 2007

Specific examples of applications are handled individually according to the customer´s needs .

OUR REFERENCE



ÚSTÍ NAD LABEM

Date of implementation – 2010

Specific examples of applications are handled individually according to the customer´s needs .

Vibratory equipment and machinery for the transport of concrete and mortar

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