

Metallurgical equipment.

Equipment for blast-furnace melting operation stage

Deslagging unit

It is designed for operation mechanization of slag skimming from hot-metal ladle cars prior to pour iron into the mixer or into the oxygen converter and it is installed in steel melting shops or mixer departments.

The unit comprises two individual assemblies:

- Deslagging machine;
- Ladle tilting rig

During the process of slag skimming the detrimental impurities are removed from the cast iron together with slag. This equipment enables to improve the quality and chemical composition of cast iron poured into the mixer and afterwards - into the oxygen converter.

Advantages:

- small size of mechanisms;
- main mechanisms of the machine are fitted with the hydraulic drive which effects tilting, lifting and turning of the carriage as well as displacement of the boom with a scraper;
- machine control is effected by the operator in the cabin which is equipped with the control panel, heat radiation protection, and air-conditioner;
- high efficiency of slag skimming.

DESLAGGING MACHINE



Technical characteristics

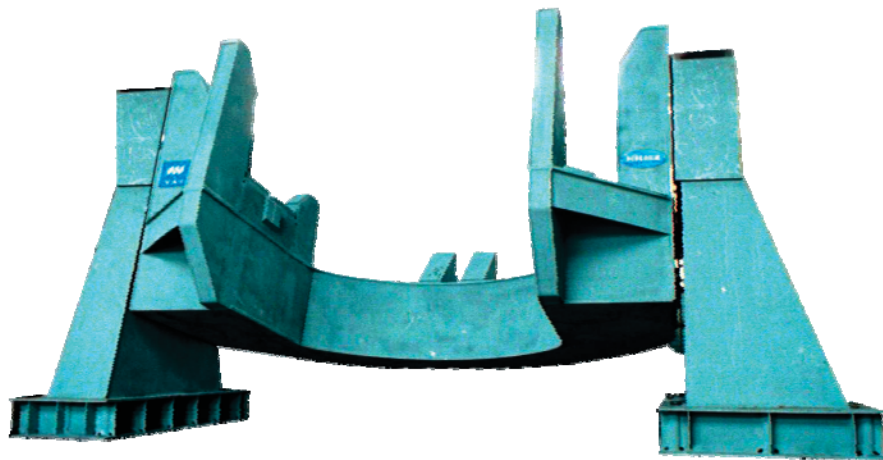
Parameter	Value
Time of slag skimming from ladle, min, no more than	5
Boom pulling force, kN	16±2
Boom displacement rate, m/s	0,02...1,2
Carriage tilting angle, deg: - upwards - downwards	10±1 10±1
Operating boom stroke, mm	5000±50
Vertical carriage stroke, mm	500±50
Machine swivel angle in a horizontal plane, deg: - to the right - to the left	20±2 20±2

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LADLE TILTING RIG



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Parameter	Value
Load carrying capacity, t	150...250
Ladle tilting angle, back and forth, degree (max)	+40; -15