



INDUSTRIAL VACUUM SYSTEMS

SteelVac



**Recycling of raw material
Improving safety at work**

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Vacuum suction units for steel plants Cleaning of crane ways and platforms Vacuum extraction and recycling of scale



During the smelting process dust is dispersed all over the melt shop. This leads to an overload in weight of the constructions, may cause operating troubles and represents a health and safety problem.

This problem was solved in an optimum way in an eastern European steel plant by using a Wieland stationary vacuum unit.

The vacuum suction system is mounted on the central platform in the casting house of an EAF steel plant.

The unit is connected to a fixed pipe work system and suction performance is available over large distances and also on different floors. Independent suction pipe lines are installed at the crane bridges which can be connected to the vacuum system by means of a flexible hose in order to clean cranes and switching stations.

When its maximum filling level is reached, the collection container is discharged automatically into a container which is situated on the ground floor. The suction unit is equipped with a pneumatic AirShock®-filter cleaning device.



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