



picture, courtesy Linde Material Handling GmbH

Linde Material Handling GmbH, a member of the KION Group, ranks among the world's leading manufacturers of forklift and warehouse trucks and is market leader in Europe. Linde operates production and assembly plants in all important regions worldwide, and has a global sales and service network with offices in over 100 countries.

Foundry optimization, a work in progress ...

Linde Material Handling GmbH – Werk / Plant IV in Weilbach, one of the production plants, is a captive foundry for counterweights. At the Weilbach facility the products are casted, machined and painted and ready to assemble. It is a highly efficient foundry for these specific products.

As with its products, The **Linde** Weilbach facility continuously strives for efficiency improvement and is now focusing on the various steps in the after-cast production: cooling, product take-out, sand return handling, mould plate and flask transport, and casting storage before shot blasting. GEMCO already assisted **Linde** Weilbach with optimizing other production area's and was now asked to engineer a concept for the after-cast area. For all of the improvements, special attention is drawn to the [working] environment as well as a reduction of manual operated transport.

As a result of this concept engineering a significant logistic improvement can be achieved by automated transport of moulds and mould plates over roller conveyors and shuttles, thus reducing operational handling. Floor space is very effectively used and the remaining manual operations can now be done in an optimized environment. **Linde** and GEMCO are preparing the implementation of the first of 3 phases in which the optimization works shall take place.

