

ROTATOR WITH SIDE SHIFT



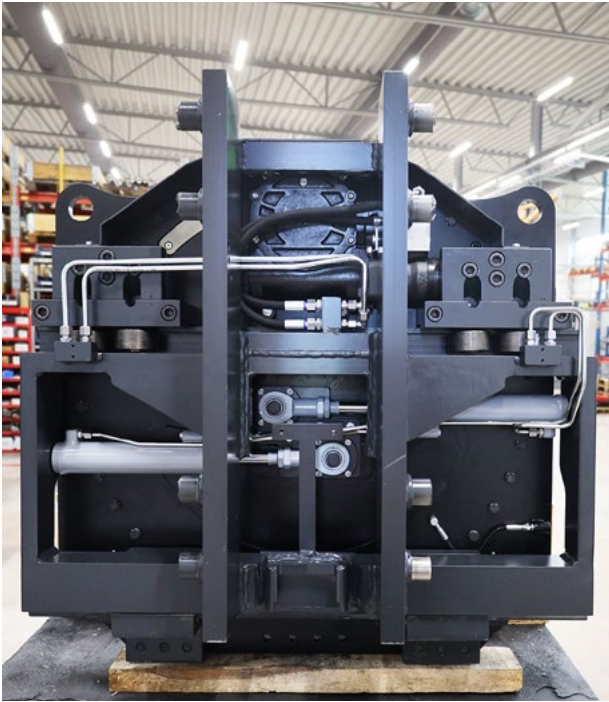
5500 Kg / LC 600 mm

65° Rotation stop in each direction

+/- 100 mm Side shift

A rotating positioner with side shift has been delivered to a foundry requiring an efficient way to remove slag materials that rise to the surface in pouring ladles. To achieve this, the ladle must be tilted with precise control and minimal risk of spillage.

The product is the result of a close collaboration between Hagaberg, the truck manufacturer and end customer. Extensive joint design and testing led to the development of a custom-built rotator that handles its load smoothly and steadily without any jerky movements.



COMPACT DESIGN & OFFSET CENTER OF GRAVITY

One of the main challenges was that the center of gravity in the tilted ladle was significantly offset from the rotation center. Additionally, limited maneuvering space required the use of a compact truck model – 5 ton / LC 600 mm. The integrated side shift positioner therefore had to be designed to minimize both weight and size, without compromising load capacity or stability, and to make full use of the truck's performance even in limited spaces.

The result is a custom-made rotator that handles its load elegantly while maintaining stability and smooth, consistent movements.

PRECISE ROTATION CONTROL

The ladle must be tilted with great precision while eliminating the risk of over-rotation or spillage. The rotator was therefore designed with a 65° rotation stop in each direction, providing optimal tilting for the application and ensuring safe, controlled movement.

HARSH ENVIRONMENT

The positioner is exposed to extreme heat and potential contact with molten metal. The construction includes splash and heat protection to shield sensitive components. Thanks to the robust materials and protective design, the positioner offers a long service life and reliable operation over time.



The unit combines stability, precision, and safety in a compact design. The end customer is very satisfied and, after several months of use, has ordered additional trucks equipped with the same type of side shifting rotator.