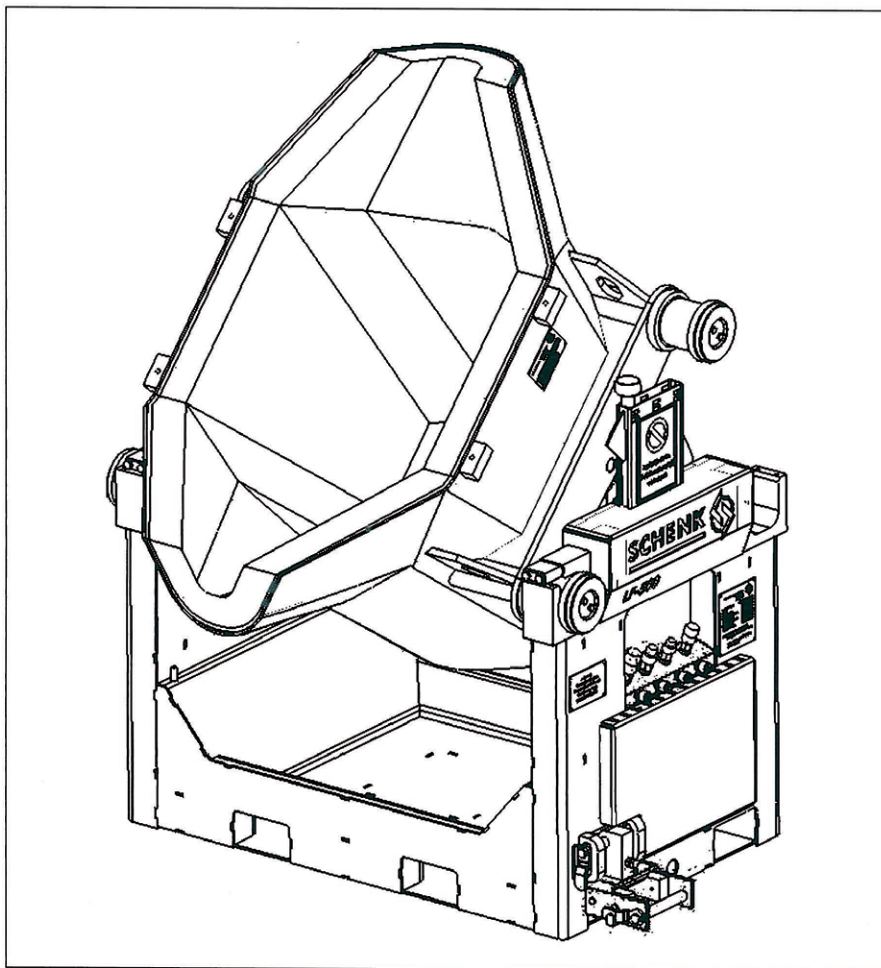


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# New attachment devices for transport of liquid metals

The flexible L-model and the flow-optimized G-model



**Figure 1:** The model L attachment device enables flexible use of forklift trucks.

The economic and flexible transport of liquid metals is becoming an increasingly important factor in many foundries. In addition to versatile attachment devices, there is growing demand for solutions capable of pouring the molten metal into increasingly smaller apertures and flasks. For these tasks Schenk Werkzeug- und Maschinenbau GmbH & Co. KG from Schwäbisch Gmünd, Germany,

has developed two new transport devices that can be attached to fork lift trucks. These devices were first introduced at Euroguss 2010.

## The flexible L-model

The space-saving, extremely compact L-model was primarily developed for small and medium-size foundries, which want to use the forklift truck for the transport of

liquid metal and other goods and materials (**Figure 1**). All previous Schenk attachment devices are fix-mounted to the fork support of the forklift truck. In contrast to this, the L-model is picked up the teeth of the forklift and secured on the teeth by means of a locking device. This has the advantage that the fork teeth do not have to be removed or adjusted in width. The forklift truck is available at any time for liquid metal or any other transport.

Although the L-model is a stationary attachment device without tilting range, its sophisticated design nevertheless enables it to pour to the left, right or forwards. This device comes in two variants: The basic model is designed for pouring to the left or right. A left-tilting device can be easily converted to a right-tilting one by a quick modification to the support block. Optionally, a hydraulic locking device can be retrofitted, enabling tilting to the left and to the right. By picking up the attachment device from the side, also forward tilting becomes possible (**Figure 2**). The L-model can thus be flexibly adjusted to the situation in the foundry and upgraded to meet changing requirements.

The compact design of the L-model, which has the size of a Euro-pallet, is extremely well suited for small foundry shops with small clearances. The completely redesigned receptacle geometry and the pivot point arranged close to the spout are further advantages of the L-model. Gradual transitions and smooth radii create a laminar pouring stream. Thanks to the flow-optimized spout the pouring