

news

Neues von SCHENCK PROCESS

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The ladle turret with the new **SCHENCK- Weighdisc WDI:** The perfect weighing combination !

The ladle turret represents one of the major important elements of the modern steel production. The weighing system inside the turret fulfils the following important functions:

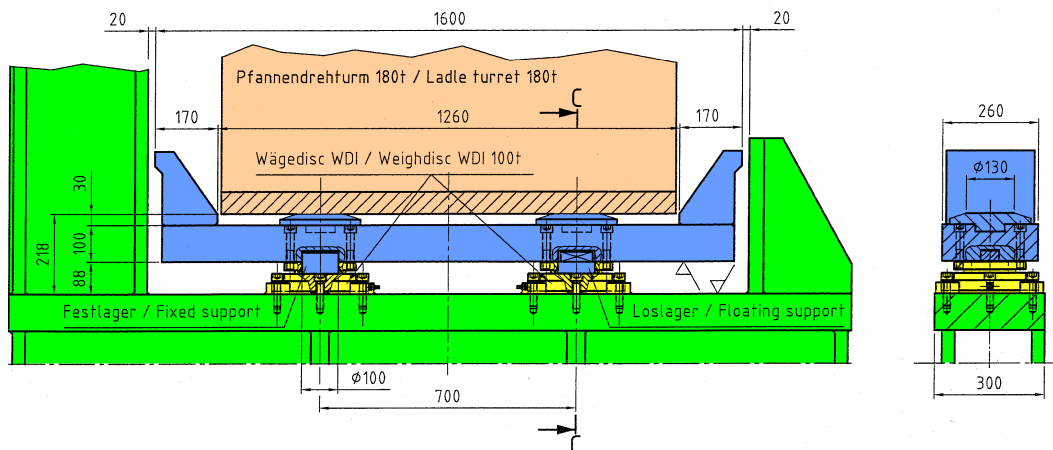
- ☒ **long term reliable control of the level of liquid steel inside the ladle**
- ☒ **precise mass flow balancing of the steel output at the passage between liquid and solid steel**

Especially for that application SCHENCK has developed the new Weighdisc WDI:

the installation inside the turret structure is realised extremely simple by bolting the sensor between the steel structure and a small weighbridge



Weighdisc WDI 25 – 200 t



That arrangement contains the following advantages compared to other solutions:

- ☒ maintenance-free installation without elastomers, mounts, bumpers or hold-downs
- ☒ very flat design, that makes the Weighdisc well suited for modernisation
- ☒ transmission of all horizontal forces
- ☒ temperature range up to 125 °C
- ☒ very economical solution for an accuracy of $\pm 0,3$ % F. S.

It is self-evident, that the Weighdisc WDI due to its easy and rough design is perfectly suited for other applications such as furnace or silo weighing systems as well.

Keep in Motion

The Weighdisc WDI completes the huge number of different SCHENCK force sensors, especially developed for the hard requirements of the Steel and Heavy Industries:

The most important products are:

Weighbeams DWB 11,5 - 200 t



Loadcells RTN 1- 470 t plus mounts



Radial Force Transducers DRA 20-80t



**Measuring axes ,
Measuring eyes and
tailor-made Force Transducers.**

Due to this large range of weighing components and our experiences of many years we are able to work out optimal weighing solutions for different applications between 1t and 3.000 t regarding accuracy, reliability and capital investment.
We look forward to your inquiry!

Applications :

Ladle turret, ladle cars (see HI-News 01/2003) and scrap ferries with the following features:

- ☒ accuracy up to $\pm 0,1$ % F..S.
- ☒ service temperature up to 150 °C

Applications :

- ☒ Legal for trade Coil Weighing Systems
- ☒ Legal for trade Slab Weighing Systems (see HI-News 04/2003)
- ☒ Legal for trade platform scales and weighbridges
- ☒ Legal for trade Crane Scales
- ☒ Hopper weighing systems

Applications :

- ☒ Crane Weighing Systems (see HI-News 02/2003)

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