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#### Slab Track A Competitive Solution

SLAB TRACK: A Competitive Solution Coenraad Esveld Professor of Railway Engineering, TU Delft Although most of the current railway tracks are still of a traditional ballasted type, recent applications tend more and more towards non-ballasted track. The major advantages of slab track are: low maintenance, high

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A continuous monitoring of slabs on a cold roller table is possible with the LaseSTR – Slab Tracking Roller-table measurement system. It tracks the slabs on the roller table from the placement on the roller table over the charge identification through to when they are pushed into the furnace.

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able for all track gauges. The prefabricated slabs are installed on the prepared sub-structure, adjusted and under-poured using self-compacting concrete. The concrete for the production of the slab tracks is produced according to DIN EN 206. For the transmission of shear force, the prefabricated slabs are combined with each other in butt ...

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This measuring system gauges the long sides of the slabs. By knowing the distance of both systems to each other and of the current measuring operation, the slab width and profile can be calculated – the whole evaluation takes place on a industrial PC.

#### **LaseSPM - Slab Profile Measurement | LASE**

Slab track designs have significant advantages comparing to ballasted tracks. The most significant are the high stability of the track, the almost non-existent need for maintenance, the long life cycle (60 years) and the reduced weight and height of the track. Their disadvantages

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