



PTS-OPTIMESH for mesh welding systems

Process control and production optimisation through efficient data communication between PLANBAR and the Progress PTS-Server

PRECAST | SOFTWARE
engineering
A NEMETSCHKE COMPANY



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THINK IN NEW DIMENSIONS

Software & Services for Industrialised Construction

In PLANBAR, possibilities and limits of the mesh welding system can be set using parameters. These are then automatically taken into account upon generation of reinforcement.

PTS-OPTIMESH in PLANBAR communicates directly with the PTS-Server and therefore responds immediately to the optimisation intelligence of the system. Through the integration of the production simulator with the CAD, any errors can be shown and dealt with in good time, thereby efficiently utilising optimisation potential.

PTS-OPTIMESH

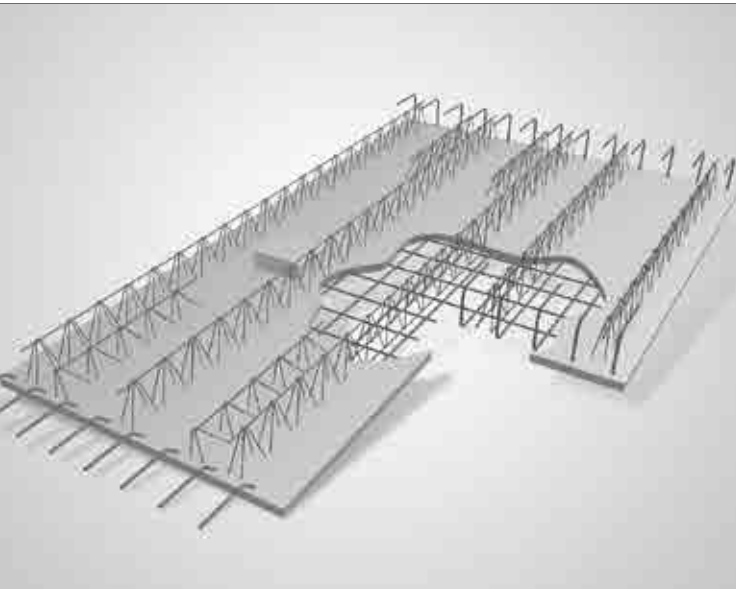
- Ensures process control: PLANBAR integrates a reliable production simulator through PTS-OPTIMESH.
- Helps to design in a production-oriented manner: Any necessary manual rework to the reinforcement in production is displayed in PLANBAR. In many cases, this rework can already be prevented in PLANBAR with a few manual adjustments.

PTS - OPTIMESH for mesh welding systems

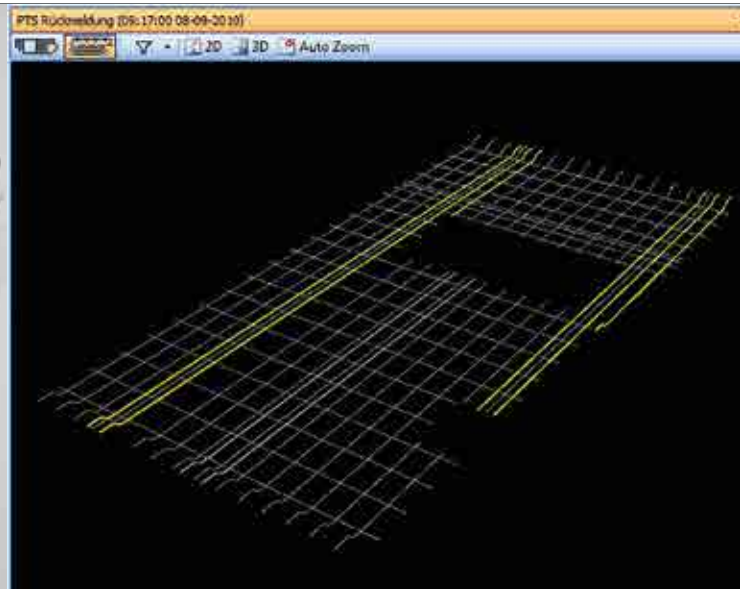
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3D reinforcement in PLANBAR



Visualised mesh after PTS feedback



Optimisation of production



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Functionality and processing

- **Integrates the PTS-Server into PLANBAR:**
At the push of a button, the MSA-Editor generates a production file (PXML) for the mesh and sends it to the server.
- The server checks the mesh and sends feedback information, which is visualised for the engineer in PLANBAR in a clear and easily identifiable manner.
- The engineer immediately identifies when the reinforcement is not manufacturable and can react to it.

- Interruptions in the production process are avoided, no shutdown costs are incurred.
- Information, instructions, warnings and errors are displayed. Rods that need to be dealt with are immediately recognised.
- The projected calculation is crucial for production time, pre-calculation, production planning and cost recording.

Advantages

- PTS-OPTIMESH brings technical design and production even closer together and therefore ensures more quality.
- Counteracts disruptions and manual rework with mesh production.
- Offers help with optimisations in respect of the entire production speed.