

# *DISA TM Mixer*

*Just the right mix*

**DISA**

A Norican Technology

0242405

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# *Modern sand preparation technology*

Optimum preparation of clay bonded  
moulding sand cornerstone for...

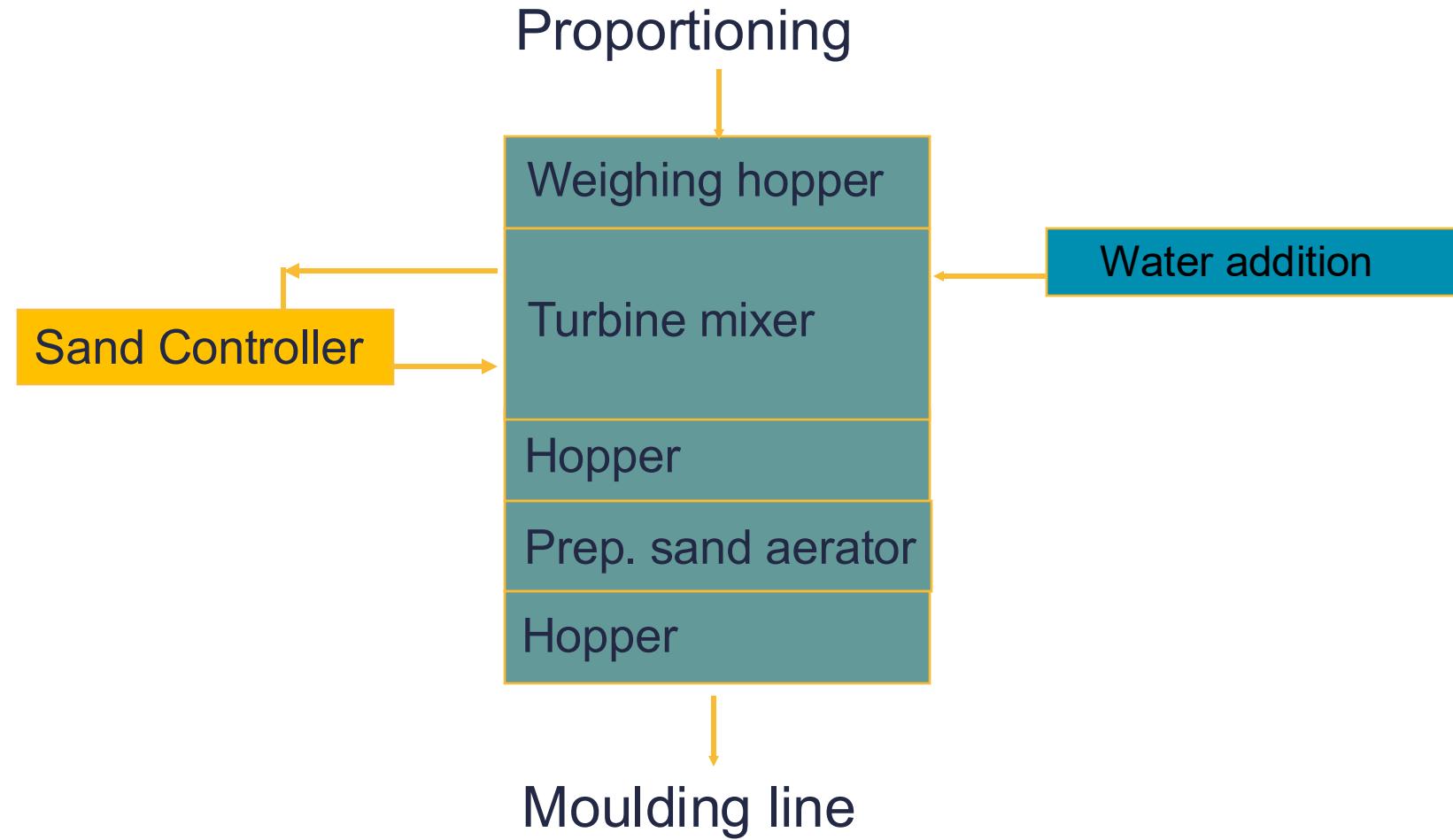


..... uniform sand moulds



..... and casting quality





## *Sand prepared in a TM Mixer*



100 sec. cycle time: sufficient grain coating

## Reliable

The TM Mixer has an advanced and logic control technology which makes the mixer really **reliable**

## Durable

The TM Mixer is very **durable** as it has been continually upgraded and refined so that it has a proven rugged and low-maintenance design.

## Economic

The TM Mixer has a high throughput rate, an attractive price and low maintenance costs which results in particularly **economic** operations

**The result:** a robust mixer that guarantees high moulding sand quality and utmost reliability.

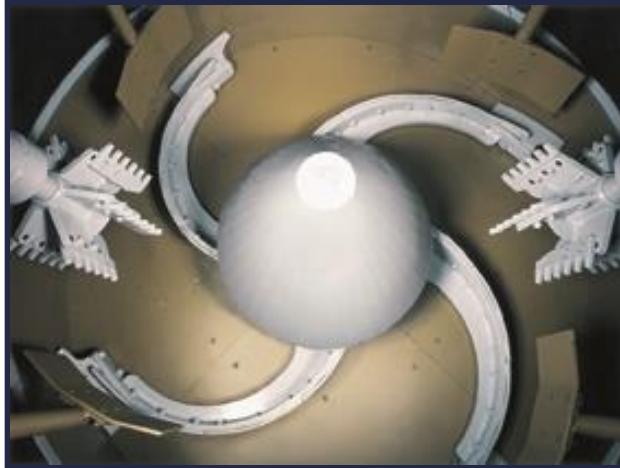


# *The TM Mixing system*

High intensive mixing

The double “S” shaped mixing ploughs and the blenders guarantee:

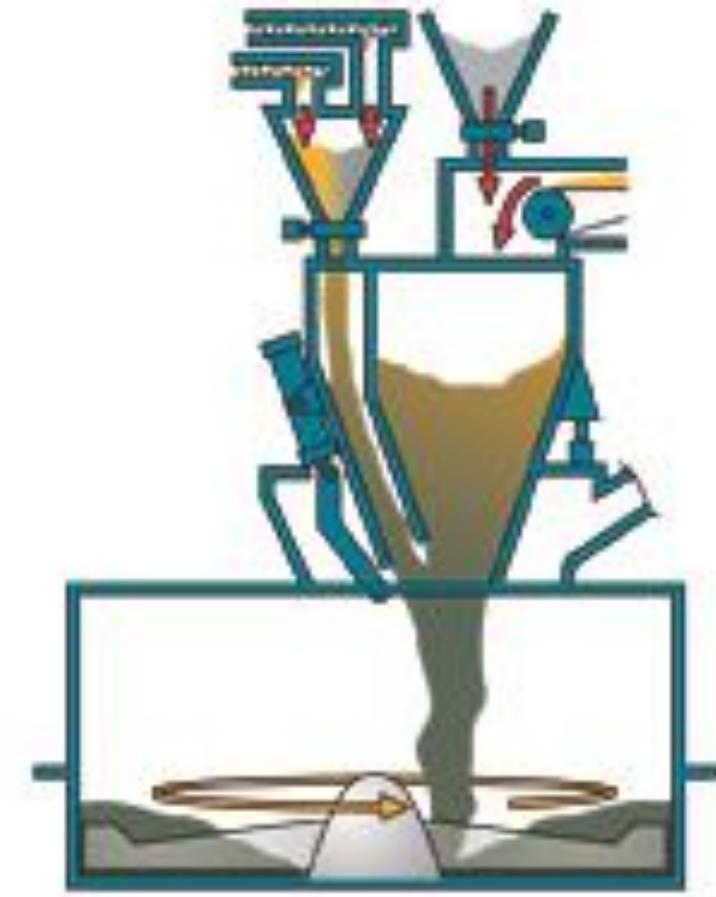
- Fast, high intensive preparation of the sand
- Homogeneous and fluffy moulding sand of consistently high quality resulting in excellent castings
- Reduced cycle time as the mixing tools are continuously rotating while the pre-batched material is being loaded



# *The dosing and weighing techniques*

The recipe is right

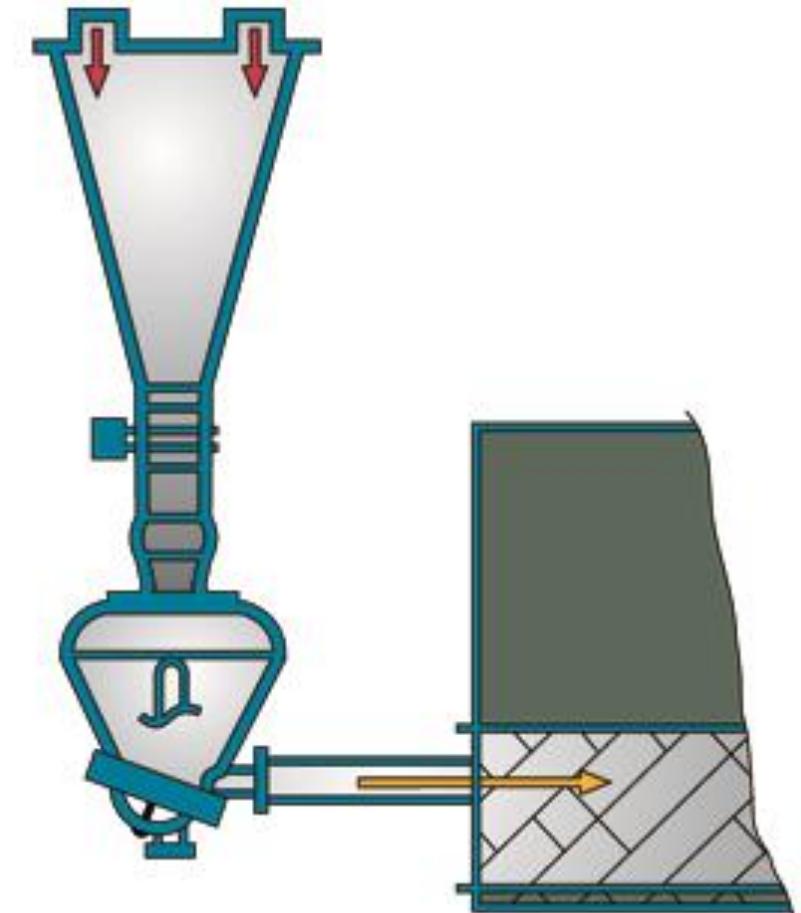
- Optimal sand characteristics due to automatic moisture level control and controlled material feed
- High throughput rate and short mixing cycles due to an intensive mixing
- No granulate formation thanks to radial water injection into the sand batch, resulting in improved casting surface
- High processing efficiency gives low bentonite requirement



# *Pneumatic bond injection*

The flexible solution

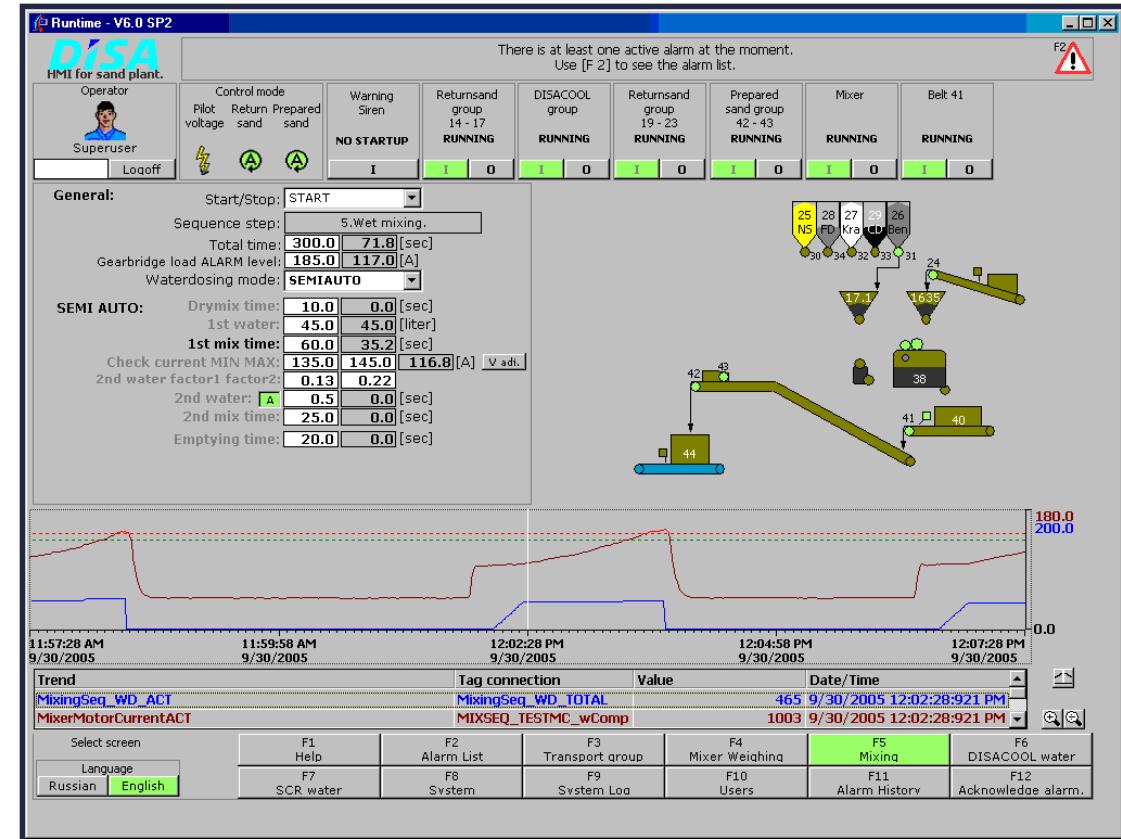
- Flexible solution which is particularly beneficial in the case of mixer replacements in confined or complex installations
- Injection directly into the sand improves the mixing efficiency and the sand quality
- Reduces the formation of dust and thus the loss of additives into the dust extraction system



# Optimum integration

The mixer that will blend into your sand plant

- An intelligent control system permits full integration into any sand circulation system
- Optimal integration with DISA moulding machines
- High degree of operational safety through a user-friendly and logic PC technology



## *Technical data*

- The TM Mixer is manufactured in 7 different sizes
- TM covers a range from 15 to 115 tonnes/h at a cycle time of 100 sec.
- Batch specifications from 500 kg to 3,200 kg



## *Integrated mixer solutions*

- Dosing, mixing and moistening can take place in an integrated form when the mixer is equipped with a Sand Controller
- Important sand properties such as compressibility and mould strength are automatically controlled and regulated to the desired value

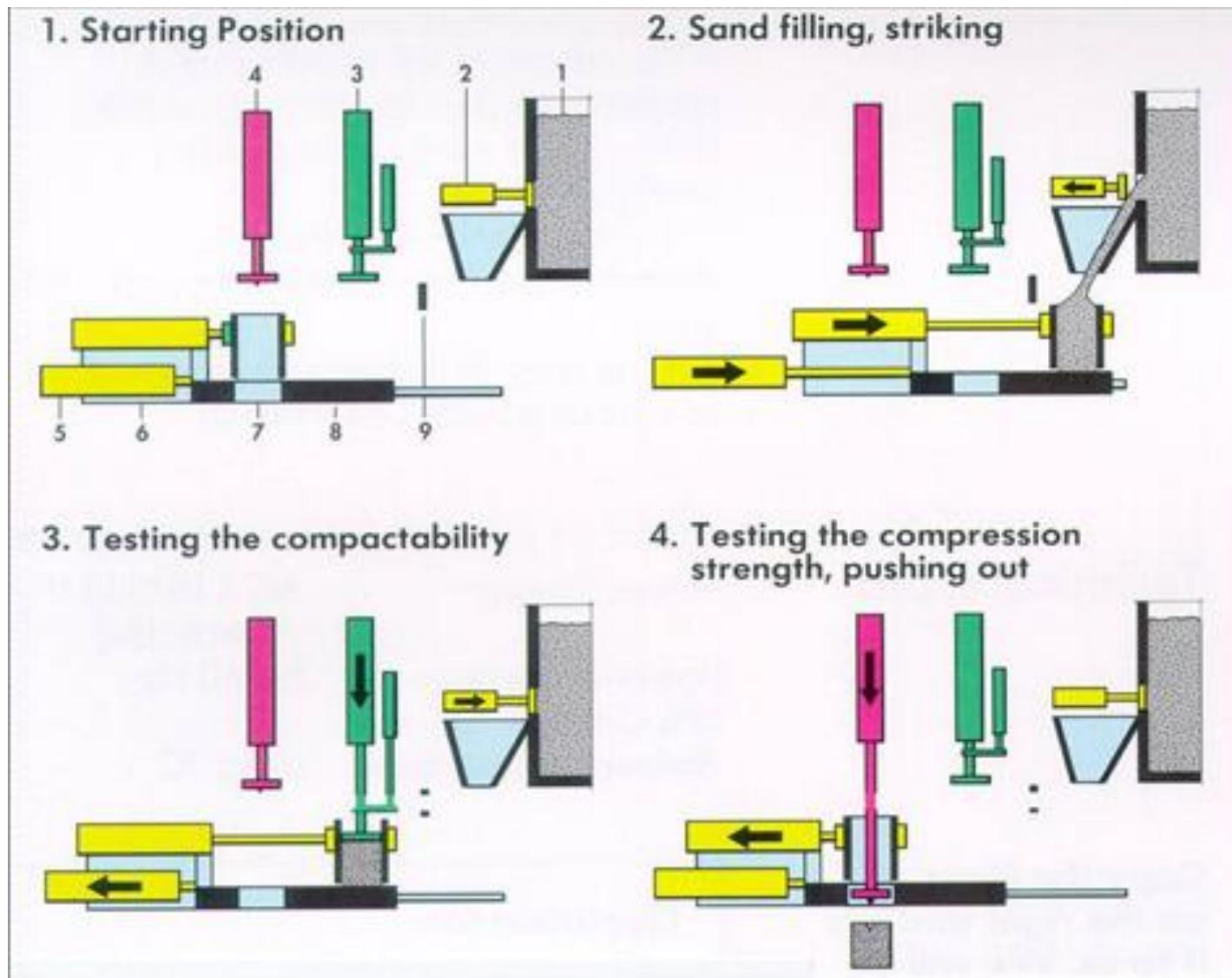


## ***Sand Controller***

- Continuous control of sand quality; consistent properties
- Continuous monitoring and regulation of compressibility and mould strength
- Addition of correct water and bentonite quantities
- Entry of up to 7 sand recipes
- Evaluation of measurement data
- Fault analysis
- Availability of data for quality management ISO 9000



# The working principle





*Thank you*

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