



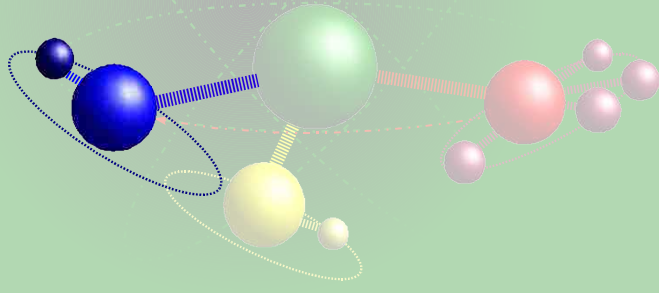
(FoMaSys-Module 1)

MICOMP 5

The fully automatic moisture control system

Type G-CH

for all type of green sand mixers



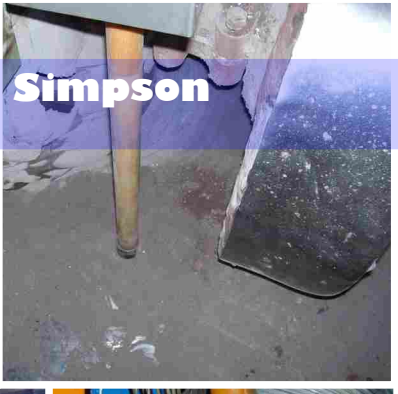
AUTOMATIC MOISTURE CONTROL SYSTEM FOR MIXERS



DISA



BMD



Simpson



Eirich



Künkel-Wagner



Technical



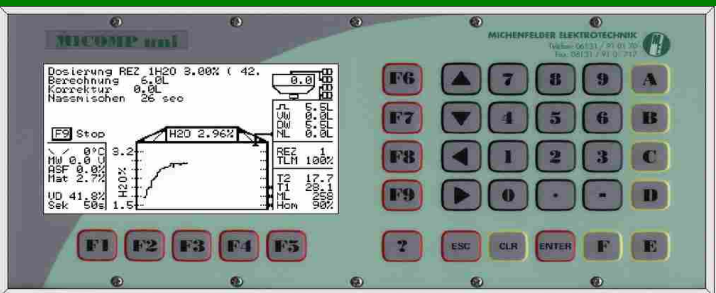
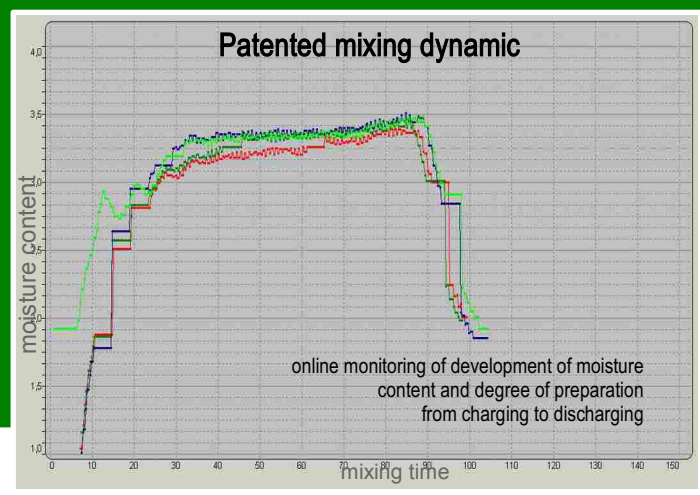
Küttner



Webac

These and many other mixer types from different manufacturers have already been equipped successfully with this precise in-mixer measurement technology system.

As all the moulding sand components such as sand, bentonite, c-carriers and water only come together in the mixer, a representative and precise measurement of moulding sand moisture can only be achieved in the mixer itself. An accuracy of output moisture of ± 0.05 to 0.1% (1st standard deviation) is guaranteed – fully automatically over shifts, days and weeks. Moisture is indicated continuously in % H₂O from charging to discharging.



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AUTOMATIC MOISTURE CONTROL SYSTEM FOR MIXERS

What you expect from your investment

- It must pay off fast
- It must be the best technology available to ensure precise output moisture values
- It must be part of a modular system to have the chance to exploit full potential of reducing sand-related scrap by realizing additional modules at any later stage

Highlights

- Low fluctuation range of output moisture level with a precision of $\pm 0.05 - 0.1\%$ H₂O (1st standard deviation) - reliably throughout all production phases
- Hundreds of systems successfully in use world-wide in different kind of mixers
- Can optionally be connected to a separate second pre-moisture measuring probe to improve production security by early detection of unpoured moulds or temperature jumps

From precise moisture control to complete moulding sand quality control

- Can be combined with online sand testing system VEDIMAT/SANLAB (FoMaSys-Module 3) to keep compactability constant directly at the moulding machine
- Can be combined with process control and quality assurance system MiPro (FoMaSys-Module 4) for central control and monitoring of all relevant moulding sand parameters and for remote maintenance via internet

Features & Functions

- Real-time graphics of moisture content development and preparation process of each single batch
- Comparative analysis function of preparation process curves is a valuable instrument for monitoring the mixer performance (patent pending mixing dynamic control)
- Menu and parameter driven operation
- Two temperature indications T1+T2 (mixer/scale)
- Indication of moisture in % H₂O (from charging to discharging), degree of preparation and homogenization in %, water addition amounts, running batch time, two temperature indications and many more . . .
- Trend indication of the last production hours
- Service-friendly plug-in board architecture