



Refractory Coating Solutions

opti-color
Mess- und Regel-
anlagen GmbH

Printing and Coating
Technology

Viscosity Measuring & Control:

- ViscoStar falling ball sets
- OBD rotating systems
- ViscoLab rotational units
- Test cups (e.g. DIN, ISO)
- oc-4000 software

Coating Control & Technology:

- MCS conditioning systems
- Heating and cooling units
- LCI consumption control

Pump-Systems & Stirrers:

- Rotational ink pumps
- Diaphragm, peristaltic and special pump solutions
- Stainless steel tanks and constructions
- Stirrers (air & electrical)

Cleaning Solutions & Products:

- ACS water systems
- ARMEX blasting media
- Spray and washing cabins

and more

- Anilox rollers & service
- Ink & paint dispensing
- Level control systems
- pH metering and control
- Snaplock sets / couplings
- Filters and filter bags
- ...

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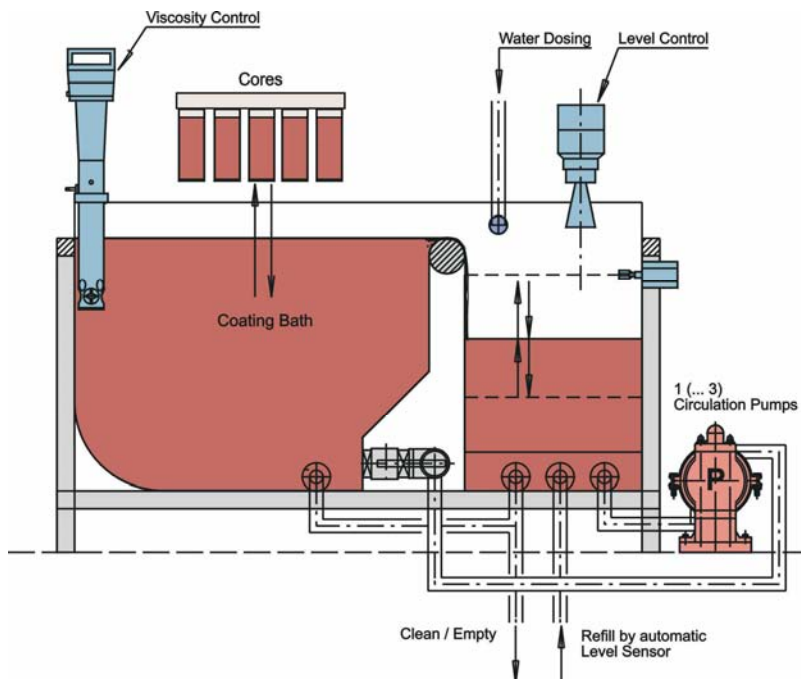
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Our products for coating handling and control in foundry applications:

- ☒ Automatic viscosity control for constant film-thickness
- ☒ Test cups DIN, Ford, oc-S ...
- ☒ Pumps and agitators for coating
- ☒ Coating baths and tanks and for dipping and spraying, pumps and automatic level control
- ☒ ... and our ideas for You !

Unsere Produkte für Schlichten und Medien der Gießereiindustrie:

- ☒ Viskositätsregelanlagen für konstante Auftragsstärken
- ☒ Messbecher DIN, Ford, oc-S ...
- ☒ Behälter, Pumpen, Rührwerken
- ☒ Tauch- und Schlichtebecken mit Vorrattanks, Umwälzpumpen und automatischer Nachdosierung
- ☒ ... und eine fundierte Beratung !



Online Viscosity Control

opti-color viscosity sensor in dipping bath for permanent automatic viscosity control.



Coating Tank for automatic dipping process.

- ☒ incl. high performance circulation pumps for optimized mixing, level and viscosity control

Test-Cups: Standard for viscosity measurement

Cups offer the possibility of manual measurements in the production and lab, for refractory coatings and media we supply:

- opti-color test cups corresponding in design to DIN 53211 with nozzles 2 - 8 mm
- Test cups corresponding to FORD, ZAHN and Shell with different nozzle sizes
- ISO 2431 and DIN 53211 standard cups with overflow brim for use in tripods
- and special Coating-Cups oc-S4 to S6 for best reproducibility



Viscosity Control: Multi VC/S with OBD Sensor

Water and solvent based coatings change the viscosity by permanent evaporation of these components. The result would be a changing film thickness, which means a changing and lower coating quality on the cores.

opti-color viscosity controls measure during the working process the effective viscosity values. In case of even small increases of the viscosity, needed water/solvent is added automatically.

This is done with the well proven OBD sensors and the Multi VC control boxes. The values are shown in seconds based on test cups or can be even programmed to be equal to thickness for certain applications and coatings.



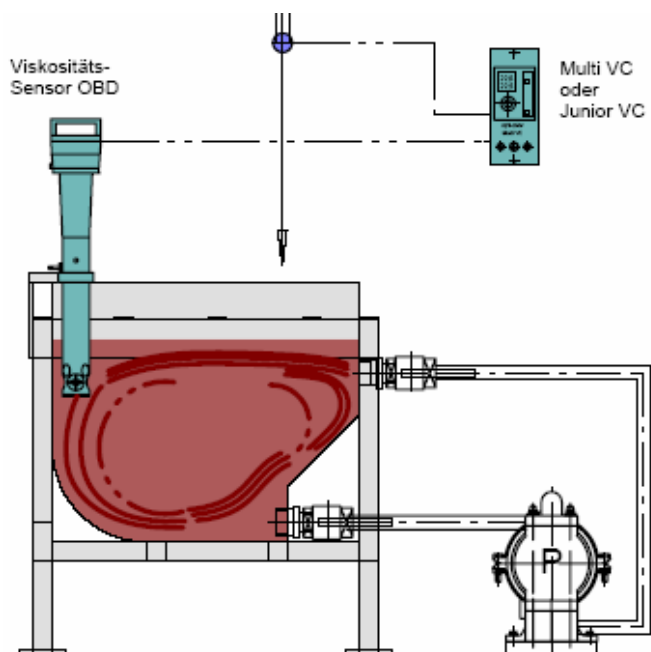
Coating Tanks and Supply

We offer solutions for optimized coating supply and online control.

Coating agent supply solutions with increased volumes, pumps and agitation can be generated with automatic viscosity control and level indication right from the beginning.

Tanks and baths with overflow principle are offering a constant level in the dip area for cores even in automatic processes, again the viscosity control is a basic element.

These controls take care of the constant measurement and automatic water / solvent dosing during the entire process. So the film thickness is also controlled, the results on the cores are stabilized in the wanted range.



... and more

Coating processing and tanks for spraying applications, special mixing devices, pumps, software and more ...



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