

# CCU – Compact Coating Unit

Reduced to the essentials



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The HA Group and Neuhof Gießerei- und Fördertechnik have joined forces to develop a space-saving and pragmatic solution for coating preparation.

This innovative partnership has created a **coating preparation system** that is reduced to the essentials.

The coating's target density is set via pressure and flow sensors.

The system automatically feeds the raw coating and diluting agent, mixes them and stores the specified coatings.

After the start signal has been sent, predefined quantities of raw coating and solvents are delivered to the mixing tank.

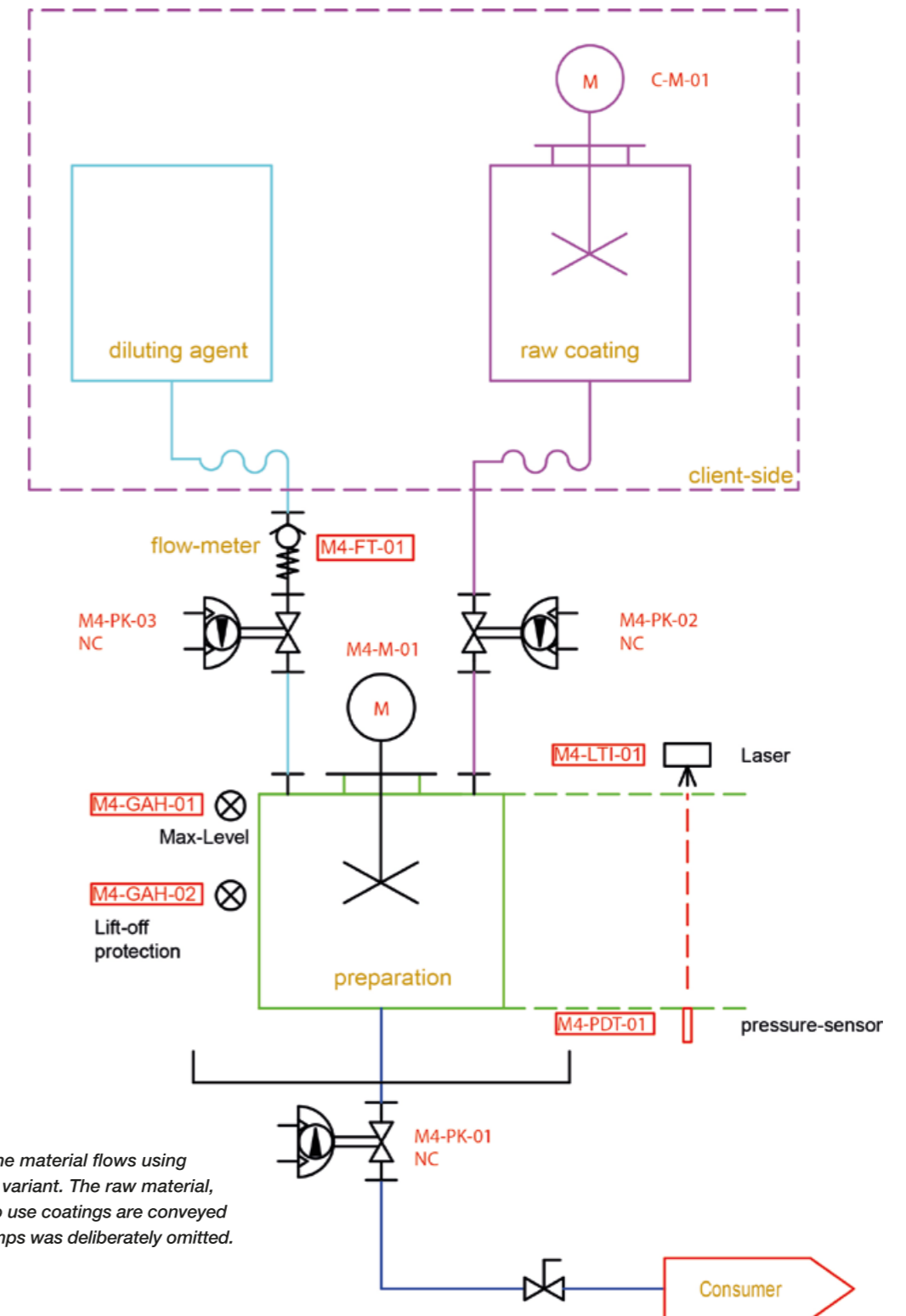
The system deliberately dispenses with communicating systems between the storage and mixing tanks.

This prevents foreign substances from contaminating coatings in the storage container (e.g. core / moulding sand residues, release agents, etc.).

The jointly developed compact coating unit is available for both water and alcohol based coatings.

# Facts

- For water and alcohol coatings
- All applications - dipping, flooding, spraying
- Immediately ready to use
- Optimal material available anytime
- Several dimensions available
- Customized solutions possible



Flow chart to illustrate the material flows using the example of an ATEX variant. The raw material, solvents and the ready to use coatings are conveyed by gravity; the use of pumps was deliberately omitted.



CCU Compact Coating Unit (ATEX variant), illustration similar. With the corresponding NON-ATEX version for water coatings, the floor space is reduced by up to 50%.

## About Neuhof

In 1987, Berthold Neuhof founded a service and assembly company for industrial plants and laid the foundation for the development of today's family-owned company: Neuhof Gießerei- und Fördertechnik. The pneumatic conveying system he patented and continuously developed is still an important part of the company's product portfolio today. The system has proven its worth for conveying dry bulk materials without damage in the foundry, construction and plastics industries.

Together with his sons Andreas and Christian Neuhof, who he introduced to all areas of production and service from an early age, Berthold Neuhof established the company as a system supplier for foundries. Today, the company's product range extends from pneumatic conveying to sand reclamation and preparation to individual special solutions. In close cooperation with our customers around the world, we always find a customized solution for each respective need. *More than conveying.*

## About Hüttenes-Albertus

HA is the leading international manufacturer of chemical products for the foundry industry, with head office in Düsseldorf, Germany. Almost 1,800 committed employees in more than 30 countries develop and produce foundry chemical solutions for all common core and mould-making processes for customers around the world.

Parts cast using HA binder systems are the core components in a wide range of products, including car engines, wind turbines and industrial machinery.

HA's refractory coatings are adapted to each customer's specific on-site processes and are designed to reduce casting defects and positively influence the surface of the casting. On request, HA can adapt existing products to customers' requirements or develop entirely new products with the required properties.

HA also works with partner companies in the field of plant technology, enabling customers to optimise their processes.

### **HÜTTENES-ALBERTUS**

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