

Specialist Press Release

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“Next level” desanding with the BE 600-C

Immenstadt-Seifen, Germany – High throughput, fast assembly, digital operation with remote maintenance: that's the new BE 600-C desanding plant from BAUER MAT Slurry Handling Systems. The Allgäu branch of BAUER Maschinen GmbH recently brought it on the market as a successor of the established BE 550 that truly keeps it all together: This two-stage plant with double cyclone design is installed within a container frame, and includes a reservoir tank, solids discharge, hose guide, all-round access platform and upstream coarse screen. It delivers 174 kW of power and a considerable throughput capacity of 600 m³/h. This means that the plant can process up to 120 t of solids per hour – setting new standards in the field of desanding.

Two become one

There's a whole lot of established technology in the BE 600-C, since strictly speaking it's comprised of two standard Type BE 300-C desanding plants. However, the optimized separation is new: After being fully treated in a first step, the slurry is pumped through the second tank inside (rather than outside) the plant toward the desilter unit. Another feature is the comparatively low space requirement, as pumps and desilters are located within the container frame and not outside, as would be the case for standard double cyclone plants. The BE 600-C thus achieves a base area of just 6.1 x 5.9 m.

But that's not all: Because all components are installed within the container frame, it is possible to carry out transport, assembly and commissioning on site, quickly and easily – for example for cutting, tunneling, grabbing or drilling projects. What makes it unique: As needed, the BE 600-C can be divided back into two individual BE 300-C units, and the upstream coarse screen can also feed just a single unit. “This makes our plant as flexible as our customers’ projects,” summarizes Tim Eberwein, Sales Manager at BAUER MAT Slurry Handling Systems.

Focus on digitalization and automation

The BE 600-C also excels when it comes to digitalization with several new features, explains Yilmaz Ipeksoy, Technical Manager at BAUER MAT Slurry Handling Systems: For example, each of the two individual plants features a 12-inch display with touch screen. The complete plant can also be operated from a single screen in master-slave mode. The operator can see at a glance which parts of the equipment (conveyor belt, flow meter, accessories etc.) are running and which are not; other information such as pressures, operating hours or power consumption is also displayed. An EWON router establishes a connection with the Internet, which allows all data to be called up via remote access, along with error messages. “In this way, our service specialists can connect to the equipment quickly and easily and perform a remote diagnosis if necessary. This saves lots

of time as well as costs, since our customers don't have to wait for service technicians to arrive on site.”

Anywhere bentonite or cement slurry needs to be mixed, this MAT equipment can be used. “Whether for mixing, pumping, stockpiling or separating, our products are a key element of the complete cycle,” explains Kurt Ostermeier, Head of Product Management Mixing and Separation Technology at Bauer Maschinen. More than 30 years of expertise in mixing and separation technology contribute to the process when equipment or components are newly developed or enhanced at BAUER MAT Slurry Handling Systems. But new trends such as digitalization and automation are also in focus. Kurt Ostermeier asserts: “Digitalization as well as automation are ongoing processes that will continue to play a major role in the future. Our goal is to fully and permanently integrate our equipment into the cycle of a digital site.” And with the new BE 600-C, BAUER MAT Slurry Handling Systems has taken a major step towards that goal.

Photo: 2023-05_BAUER_MAT_BE 600-C...



(1) The BE 600-C achieves a base area of just 6.1 x 5.9 m.



(2) The complete plant can be operated from a single screen in master-slave mode.
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For around 60 years, equipment from Bauer has represented the highest performance and quality and constant innovation. The BAUER Maschinen Group is the world market leader in the development and manufacture of specialist foundation engineering equipment. BAUER Maschinen GmbH, which is also the holding company for a number of subsidiaries, designs and builds large-diameter drilling rigs, duty-cycle cranes, trench cutters, grabs and vibrators as well as the related tooling at its plants in Schrobenhausen, Aresing and Edelshausen. The subsidiaries manufacture state-of-the-art mixing and separation equipment as well as rotary drive systems and equipment for drilling small-diameter boreholes and wells. The BAUER Maschinen Group also operates manufacturing facilities in the USA, China, Malaysia, Italy, Singapore and Turkey. A component supplier within the Group is Schachtbau Nordhausen. The company operates a global sales and service network. More at bma.bauer.de

About Bauer

The BAUER Group is a leading provider of services, equipment and products dealing with ground and groundwater. The Group can rely on a worldwide network on all continents. The Group's operations are divided into three forward-looking segments with high synergy potential: Construction, Equipment and Resources. Bauer profits enormously from the collaboration of its three business segments, enabling the Group to position itself as an innovative, highly specialized provider of products and services for demanding projects in specialist foundation engineering and related markets. Bauer therefore offers suitable solutions to the world's greatest challenges, such as urbanization, the growing infrastructure needs, the environment, as well as water. The BAUER Group was founded in 1790 and is based in Schrobenhausen, Bavaria. In 2022, it employed about 12,000 people and achieved total Group revenues of EUR 1.7 billion worldwide. BAUER Aktiengesellschaft is listed in the Prime Standard of the German Stock Exchange. More information can be found at www.bauer.de. Follow us on [Facebook](#), [LinkedIn](#) and [YouTube](#)!