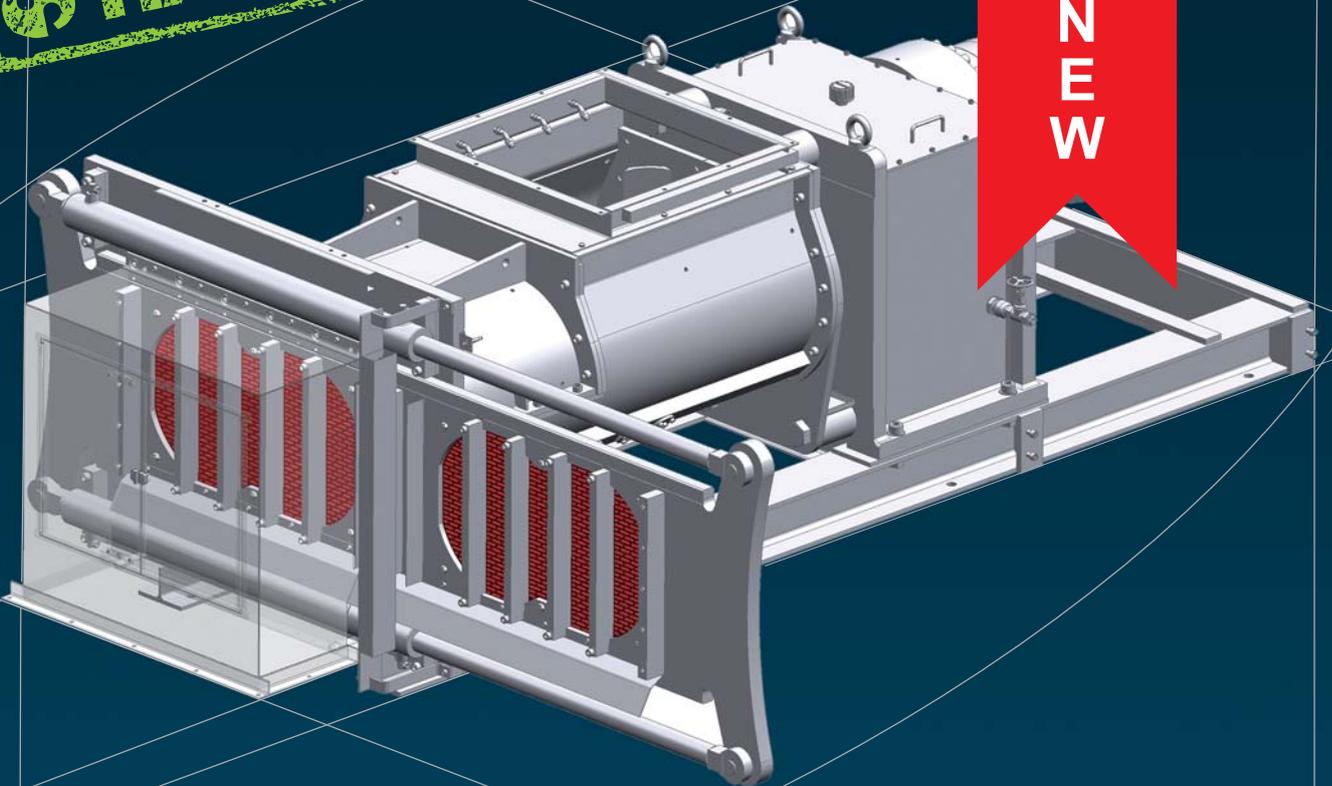


The original double-shaft screen mixer was engineered with stone elimination in mind, but then it turned out to be a very successful multifunctional system for mixing, moistening, steam-heating, kneading, homogenizing, shredding and separating.

Double-shaft screen mixers

MDSG/ MDG



The HÄNDLE double-shaft screen mixer series

The HÄNDLE double-shaft screen mixer series comprises a series with hydraulic screen shifting function, type MDSG, for raw materials containing impurities such as stones, wood, roots, grass, reeds, plastic, etc. As well as a more cost-effective series with fixed screen, type MDG, for raw materials which have no or only few impurities.

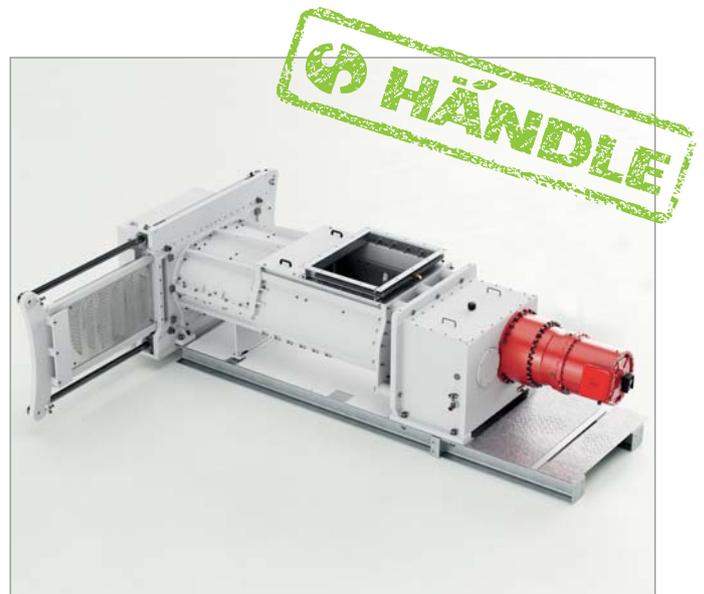
The operating sequence is the same for both series: The raw materials are mixed in the open mixing trough (mixing

zone) water, steam and additives are added as required. In the closed double cylinder with two interlocking screws (pressure zone), the mass is intensively kneaded and homogenized. Impurities are captured by the screen.

The use of HÄNDLE double-shaft screen mixers (especially for the production of backing bricks) shows that the quality of the products can be improved considerably.

Defining characteristics

- High throughput rates even with fine perforations
- Very good mixing effect and high homogenization due to the generously dimensioned pressure zone
- Quick screen change or retooling of the screen perforation to the respective product requirements
- Low energy consumption
- Long service life and low maintenance costs due to the use of highly wear-resistant materials
- Addition of water and additives are possible
- Optionally with steaming device
- New energy-saving drive system can be realised for: new machines, replacement gearboxes and as a retrofit



Double-shaft screen mixer with new energy-saving drive system

Technical data

TYPE	Mixing trough width mm	Mixing trough / double cylinder length mm	Speed 1/min	Volumetric throughput ¹ m ³ /h compact	Throughput capacity ¹ t/h wet	Power requirement kW
MDSG 1015F MDG 1015C	1000	1150 + 850	12 - 30	22 - 56	39 - 99	90 - 225
MDSG 1215E MDG 1215B	1200	1500 + 1000	12 - 30	35 - 70	62 - 123	132 - 260

¹ For a standard perforation pattern (10 x 35 mm) specific to feedstock and rotational speed of mixing shafts

Available screen-perforation options: 3 x 30 mm, 4 x 40 mm, 6 x 40 mm, 7 x 40 mm, 8 x 40, 10 x 40 mm, 12 x 45 mm etc. Numerous other patterns on inquiry.

Subject to technical modification due to ongoing development.

