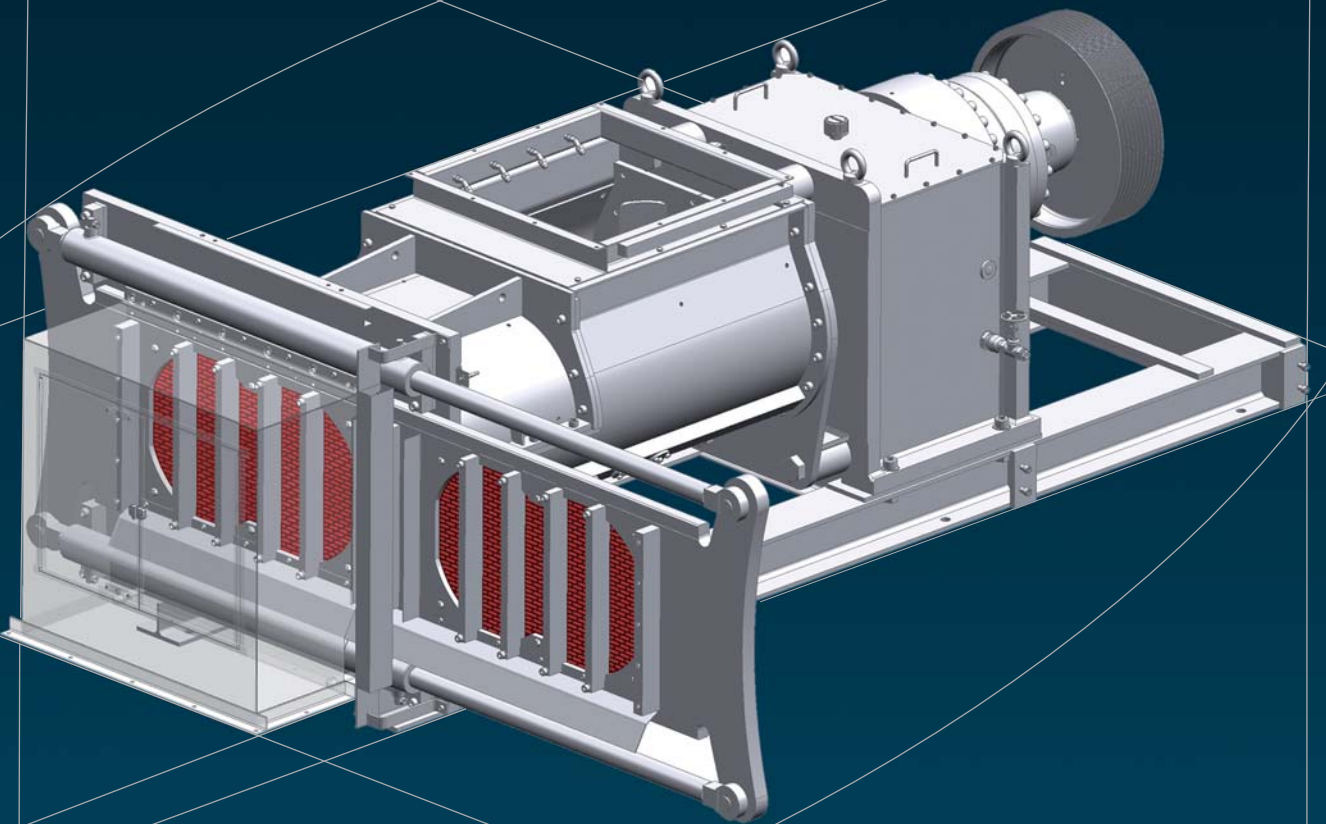


The original double-shaft screen mixer was engineered with stone elimination in mind, but then it turned out to be a very successful multifunctional system for mixing, moistening, steam-heating, kneading, homogenizing, shredding and separating.

Double-shaft screen mixers

MDSG/ MDG



The HÄNDLE double-shaft screen mixer series

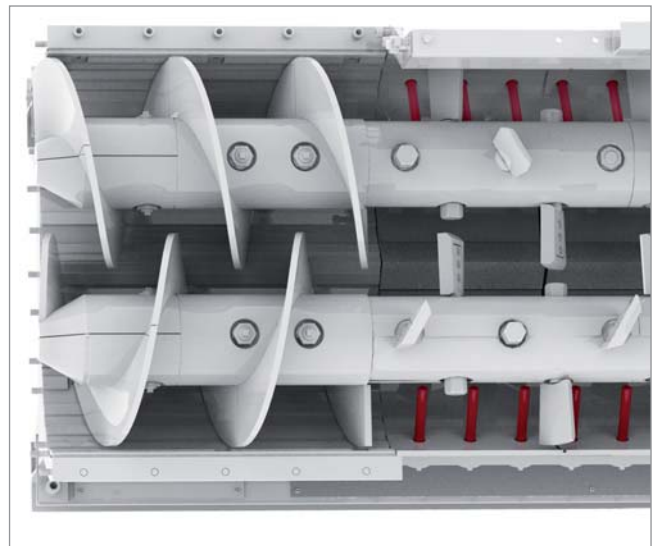
HÄNDLE-built double-shaft screen mixers serve our customers as a highly efficient, multi-functional preparation system for mixing, moistening, steam-heating, kneading, homogenizing, shredding and separating. To make optimal use of all this material preparation capacity, HÄNDLE designed two new task-adapted types of double-shaft screen mixer, each of which comes in two different sizes:

MDSG models with hydraulic screen shifting function for raw materials containing stones, wood, roots, grass, reed, plastic,

etc., and the lower-priced MDG models with a stationary screen for raw materials containing little or no contamination. Both types, though, operate on the same principle. First, the various materials are mixed together in the open mixing trough (mixing zone) where water, steam and/or additives are blended in as necessary. Then, the batch enters the closed double cylinder with two intermeshing augers (pressure zone) for intensive kneading and homogenization. Finally, the screen holds back the extraneous material.

Defining characteristics

- Large discharge area onto the screen thanks to the overhung-mixer-shaft design principle
- Thorough homogenization and activation of the body in the generously sized pressure zone
- Quick cleaning respectively replacement of screens
- Optimal modification of function and material characteristics by use of screen plates with different perforations
- Long service lives and low maintenance expenditures thanks to sturdy wear parts and hard-wearing materials



View in the mixing zone: mixing effect influenceable by paddle position and counter knives

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 1015e MDG 1015c	1000	1150 + 850	12 - 30	22 - 56	39 - 99	90 - 225
MDSG 1215d MDG 1215b	1200	1350 + 950	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.