



SINGLE SHAFT MIXERS



- From 15 to 110 m³ per hour
- Custom built
- Water and / or Steam addition

OBJECTIVE

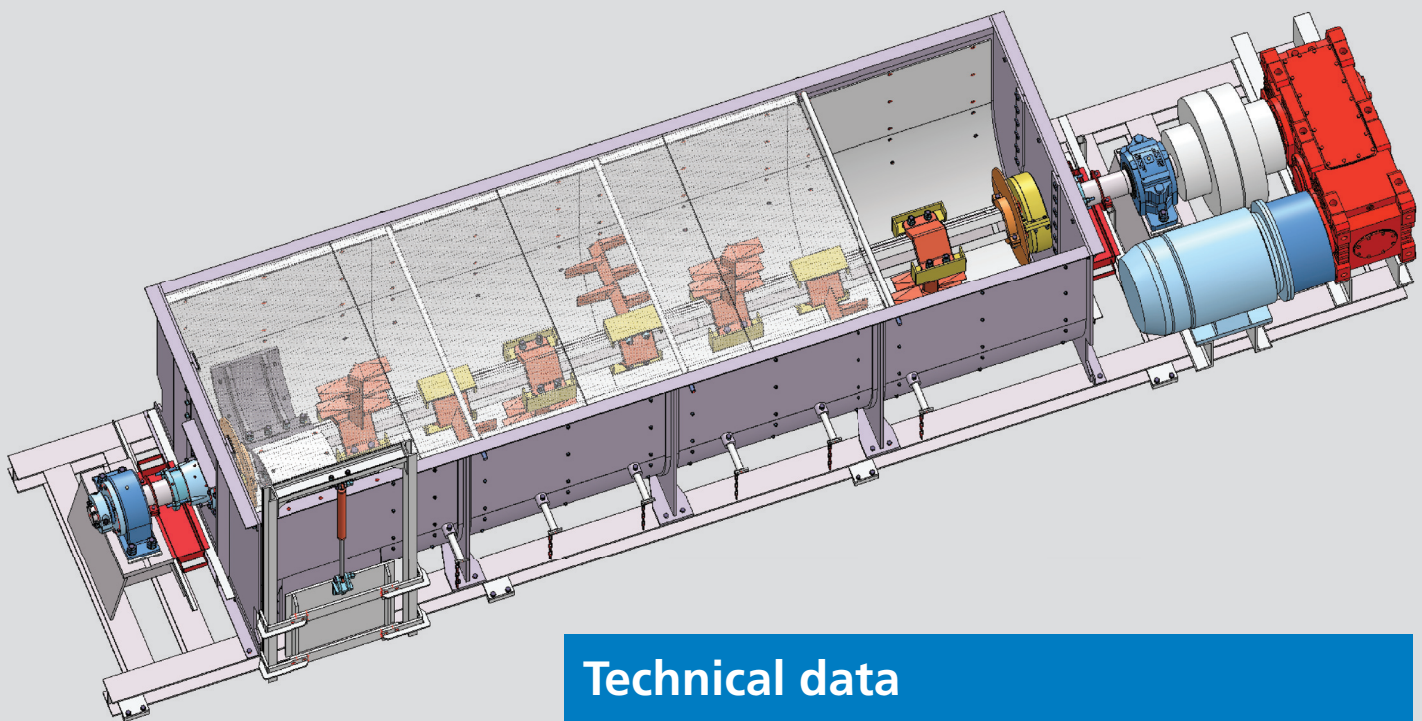
Single Shaft Mixers are used to intensively mix clay with water or steam. The aim is to produce a plastic mass of homogeneous material, this assists with mould filling and the quality of the fired brick.

OPERATION

The motor amps are measured along with controlled filling of the Mixer, this allows for accurate water or steam addition. Depending on material to be mixed and the available residence time in the mixer an increase of moisture content of 10% for each mix can be achieved.

A mixer consists of:

- A steel frame.
- A steel trough provided with stainless steel wear plates and front plates.
- A square shaft on which the rakes and outpusher are mounted.
- Due to the special design of the rakes, besides mixing the clay, they also transport the clay.
- Brake pins to prevent the clay for rotating in the mixer bowl.
- Water dosing system.
- Steam Connections (option).
- Drive motor, switchable coupling, gearbox as well as an elastic coupling.
- Discharge gate with slide, operated by a hydraulic cylinder.



Technical data

Type	Width	Trough length	Capacity	Weight	Power consumption
800	0,8 m	3,0 m	15,0 m ³ /h	± 7500 kg	22 kW
1000	1,0 m	4,0 m	22,5 m ³ /h	± 8000 kg	37 kW
1200	1,2 m	4,5 m	35,0 m ³ /h	± 9000 kg	55 kW
1500	1,5 m	5,0 m	60-80 m ³ /h	± 14000 kg	90 kW
2000	2,0 m	5,0 m	90-110 m ³ /h	±17500 kg	150 kW



De Boer Machines Nederland B.V.
Bijsterhuizen 2402
6604 LL Wijchen, The Netherlands

T + 31 (0)24 - 377 22 33
F + 31 (0)24 - 378 39 24
E info@deboermachines.nl

www.deboermachines.nl