

# PLOUGHSHARE® MIXER FOR BATCH OPERATION TYPE DBE WITH RESIDUE-FREE DISCHARGE



- High quality products
- Short discharge times
- Residual material < 0.1 % due to 90° opening angle
- Long service life span
- Low maintenance



Ploughshare® Mixer type DBE 3000

### Mode of Operation

The specific Lödige process with a mechanically generated fluid bed provides homogeneous mixing of fine-powder and coarse particle components. Ploughshare® Mixers for batch operation type DBE meet the requirement for large throughput quantities and high quality mixed products in production-orientated batch operation. The construction of this type of mixer with an outlet opening along the entire length of the drum ensures almost residue-free discharge of the product in the shortest possible time. A large branch plate fitted over the entire length of the drum on the feeding opening allows for variable positioning of individual component inlets and, if necessary, subsequent expansion.

### The Lödige Ploughshare® Mixer type DBE

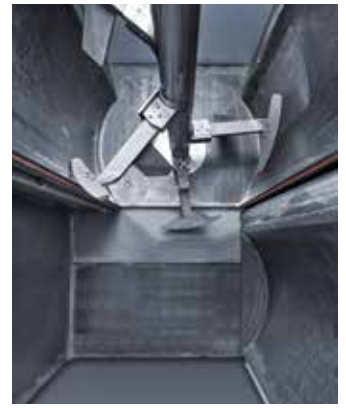
The variety of applications for a Ploughshare® Mixer for batch production of type DBE clearly shows the high demand for these systems, but also the necessity of flexibility in various industries. We place great value on the best possible integration of our systems into your process. Our partnership will lead us to success, together. We contribute the experience of over 600 installed plants and systems. In all of this, our aim is to provide you with the best possible mixer for your process and application.

### Sizes

Mixer Type	Throughput in t/h	Motor Power in kw	Dimensions LxWxH in mm
DBE 300	3-9	7,5	2340x1200x1250
DBE 600	9-18	11	2850x1600x1450
DBE 1200	18-36	22	2380x1680x1800
DBE 1600	23-46	30	4100x1980x2030
DBE 2000	29-58	37	4400x1980x2030
DBE 3000	44-87	55	5300x2210x2290
DBE 4200	60-122	75	5660x2500x2600
DBE 6000	85-175	110	6130x2620x2900



Ploughshare® Mixer type DBE with discharge door open: opening angle 90°



### Range of Application

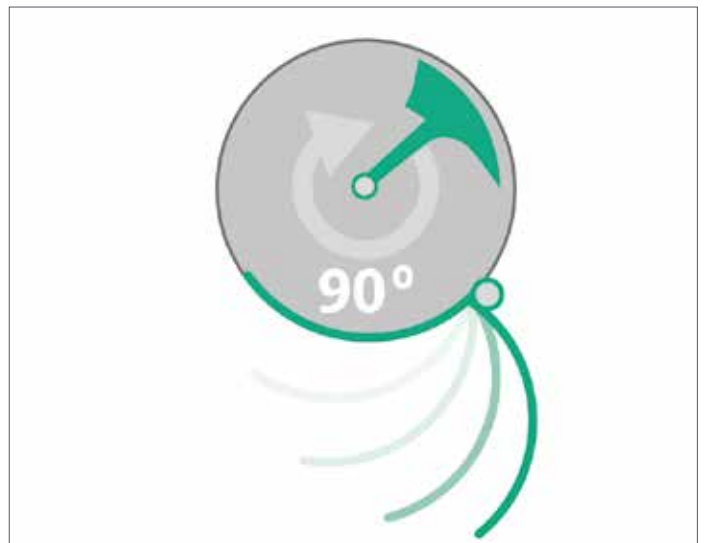
- Building materials
- Abrasives
- Refractory materials
- Friction materials
- Environment
- Animal feed

### Optional Equipment

The discharging systems connected downstream to the mixer prevent segregation of the mix during transport to a packing machine or a silo/truck and are comprised of a combination of:

- Discharge silo
- Variable speed rotary valve
- Reversible belt conveyor

Choppers are available as optional equipment to assist intermixing of small quantities of chemicals or additives.



Representation Lödige Ploughshare® Mixer type DBE with single door discharge system