

Rotary Table Feeders

For reliable silo discharge and
uniform metering of bulk goods

- economic efficiency
- reliability
- low maintenance



The Pioneer in Material Processing®

Eirich Rotary table feeders robust and approved



UE25 table feeder in a foundry with a material feed hopper for a volume of 9000 liters

Eirich rotary table feeders are robust and approved machines for the reliable silo discharge and uniform metering of bulk goods being of powdery to crumbly consistency. They are used successfully in a wide range of industries:

- Foundries (molding material preparation)
- Ceramic industry
- Refractories industry
- Sand-lime bricks
- Building materials

They have also proved their effectiveness for the following materials and products:

- Carbon paste (with heating)
- Converter dust
- Fertilizer

Applications

Table feeders are versatile equipment that serve a dual function of material buffer and metering device. They are used to integrate batch operations into a continuous material flow system or to convert them into such a system.

Table feeders equipped with top-mounted silo are used to feed aggregates including clay dispersion agents. The discharge capacity of the table feeder depends on the processing capacity of the subsequent unit. These feeders help ensure a consistent and accurate supply of materials, which is essential for maintaining product quality and process efficiency.

Function

The bulk material is moved by the rotary table and pushed out by the discharge blade. Fittings such as drive pins and a spiral scraper help to intensify this pro-



UE24 table feeder Silo discharge unit version

cess. One table feeder with two opposed discharge blades can be used, if required, to feed two machines or production lines.

Discharge control

The discharge rate can be roughly set to the flow properties of the material with a height-adjustable collar. Fineness control of the discharge rate is possible in two ways:

1. Adjusting the table speed

For this purpose the rotary tables are equipped with a frequency-controlled drive.

2. Adjusting the discharge blade

The angle of the discharge blade can be adjusted manually or automatically (optional).

Options for special applications

For all types:

- Non-contact level measurement for the version with top-mounted silo

- Feed funnel with flexible rubber wall
- Variable-speed drive
- Pan cover
- Dust extraction nozzle
- Service doors
- Various versions of wear-resistant lining
- Versions in special materials are also available (e.g. for aggressive materials)
- Discharge optionally on the right or on the left side

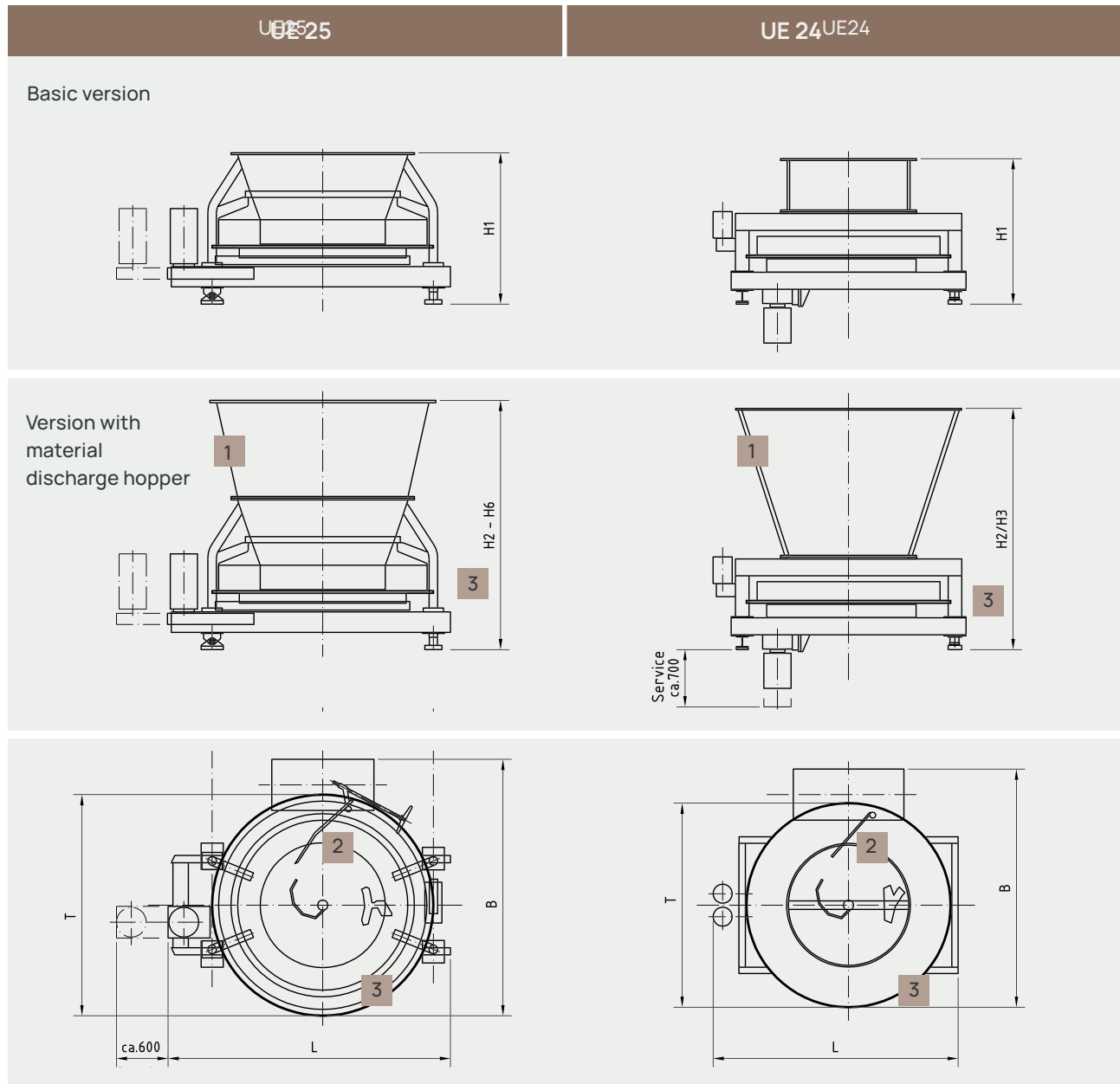
Type UE 25 only:

- Enclosure of the material discharge for dusty materials
- Heater for the table and pan
- Insulation
- Chassis

Type UE 24 only:

- Silo discharge unit version (see picture above)

Technical data for your planning



1 Material discharge hoppers are available in various different heights 2 Discharge blade 3 Table feeder discharge unit

Type	H	L	B	D	T = Table ø	Output max	Drive rating table max.	¹⁾ Machine weight approx.	Material pressure on table	Capacity approx.
	mm				mm	m ³ /h	kW	kg	kN	dm ³
UE 24	H1 1115 ²⁾			-	2400	90	18,5	3600	50	-
	H2 1740			1600						
	H3 2180			2205						
	H4 2870			2655						
UE 25	H1 1810			2155	2600 ³⁾	200	2x15	4200	80	2000
	H2 2200			2455						
	H3 2500		bis zu 3000	2655						
	H4 2950			"						
	H5 3260			"						
	H6 3550			"						

1) Depending on machine configuration
 2) Silo discharge unit version
 3) For machines with enclosure: 2500

The outputs and technical data are guide values which will vary according to the bulk density of the material

Notice:
 The technical design may differ from the illustrations.

More information at www.eirich.com