Rotary Table Feeders

For reliable silo discharge and uniform metering of bulk goods

- economic efficiency
- reliability
- low in maintenance

The Pioneer in Material Processing®

WEIGHING & CONVEYING TECHNOLOGY
EIRICH Rotary table feeders – robust and approved

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
- 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 perform the dual function of material buffer and metering device. They are used to integrate batch processes in a continuous material flow system or to convert them into such a system.

Table feeders with top-mounted silos are used to feed aggregates such as clay dispersion agents. The discharge capacity of the table feeder depends on the processing capacity of the follow-up unit.

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

Picture 1

UE25 table feeder in a foundry with a material feed hopper for a volume of 9000 liters
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)
- Automatic adjustment of the angle of the discharge blade
- 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 (Picture 2)
Technical data for your planning

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<th>Type</th>
<th>H</th>
<th>L</th>
<th>B</th>
<th>D</th>
<th>T = Table Ø</th>
<th>Output max.</th>
<th>Drive rating table max.</th>
<th>1) Machine weight approx.</th>
<th>Material pressure on table</th>
<th>Capacity approx.</th>
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1) Material discharge hoppers are available in various different heights
2) Discharge blade
3) Table feeder discharge unit

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.

The technical data may differ from the illustrations.