

# EIRICH Disk Pelletizer Type TR04

Production of uniform pellets  
from powders, fine granular  
or molten materials



The EIRICH TR04 Disk Pelletizer is a small unit for the test department, laboratory or small production and completes the EIRICH pelletizer program. With this pelletizer, the behavior of the material can be tested. It is possible to relate the test results to larger machines, but this requires some experience.

### Function

The material to be processed is added manually or by appropriate feeding devices if required to be continuous for small production. The tiltable pelletizing pan is flanged to the drive unit and rotates clockwise. The material is transported to practically the highest point of the pan and then rolls in an even stream back down to the lower half of the pan. According to the material behavior, the liquid needed to shape the pellets is added in a specific place. The pellets are shaped through the rolling movement combined with the added moisture.

Because of the inclination of the disk pelletizer and the movement of the material, the larger pellets are carried to the surface. The size of the pellets can be influenced by the inclination of the pan as well as by the amount of liquid and how it is added. When the pelletizing pan is filled, the pellets start rolling continuously over the pan edge.

### Configuration

The drive assembly is fitted with a thyristor-controlled direct current motor and a maintenance-free helical-worm gear unit. The rotational speed of the disk pelletizer is infinitely variable. A thermal safety device protects the motor from overloading.

A power outlet is installed in the enclosure for connecting additional equipment. An emergency stop device enables the immediate isolation of the unit in case of danger. The unit is fitted with a tilting and locking device which is easy to operate. It allows the inclination of the pelletizing pan to be fixed at an infinitely variable angle over the whole range. An adjustable scraper cleans the wall and bottom of the pelletizing pan. Product-contacting parts are made of polished stainless steel.

### Technical data

Drive unit height approx.	45 cm
with flanged pan approx.	75 cm
Width approx.	40 cm
Length approx.	45 cm
Pelletizing pan diameter	40 cm
Total weight	37.5 kg
Rotational speed	20-400 min <sup>-1</sup>
Drive	750 W

*Material movement in the disk pelletizer*



*Pellets of different sizes*