

## INDUSTRIAL SCALE FURNACES

### ROTARY TUBE FURNACE

Rotary tube furnaces are specially designed for the dynamic drying, sorting, sintering, calcining, reduction, calcination and other heat treatment of powders and granules. The kinetic energy during the heat treatment ensures the product to be more homogeneous and in a shorter time. The residence time of the product in the furnace can be adjusted with both the rotational speed and the tilt angle. The grains fed into the pipe with a feeder are subjected to heat treatment by mixing the length of the pipe with the effect of rotation and slope. The finished product flows from the other end. A cooling system can be added to the back of the furnace and a feeder to the front of the furnace. There are also products that provide oxygen-free environment or reducing atmosphere. Rotary tube furnaces are produced according to customer request according to product and capacity.

Designed for calcination of chemical and metal powders.

- Pilot-Scale usage
- Sample mixing via rotating featured special design tube
- Adjustable temperature up to 850°C
- Heat Treatment Length: 2500 mm
- Pipe Diameter : 300 mm
- Rotate speed : 0-10 rpm
- Tilt Angle : 0-10°
- Adjustable rotation speed and tilt angle
- Controllable 5 heating zones

