

# Plough Shear Mixer for Plastics and Rubber

The Plough Shear Mixer is a high-efficiency mixing device ideal for the plastics and rubber industries. It utilizes plough-shaped mixing elements to create a mechanically fluidized bed for thorough and rapid mixing of various materials.



## Overview

### High-Efficiency Mixing Solution

The Plough Shear Mixer is a versatile industrial mixing device engineered for demanding applications in the plastics, rubber, chemical, and pharmaceutical sectors. It utilizes specialized plough-shaped elements to create a mechanically fluidized bed, ensuring rapid and homogeneous blending of powders, granules, and pastes. With customizable options such as jacket heating and drying capabilities, this mixer is designed to deliver consistent quality and reliable performance in complex industrial processes.

## Capabilities

### Mixing Material Types

- Solid-Solid (Powder to Powder)
- Solid-Liquid (Powder to Paste/Slurry)
- Block-Mucous Materials

### Suitable Industries

Chemical, Pharmacy, Building Materials, Foodstuff, Powder Metallurgy, Mining, Petroleum, Plastics, Rubber

## Technical Features

### Thermal Features

Jacket Heating • Drying Capability

### Design Highlights

- Plough-shaped mixing elements
- Mechanically fluidized bed technology
- Homogeneous mixing
- Segregation prevention