Electric Screw Press Machine

The electric screw press utilizes a motor-driven flywheel and screw pair to move the press ram for controlled upward and downward motion. Energy recovery from regenerative braking during the return stroke lowers power costs.

Overview

Industrial Electric Screw Press

This electric screw press is engineered for high-precision industrial forming tasks. It utilizes a motor-driven flywheel system to deliver consistent force, with regenerative braking capabilities that significantly reduce power consumption. Designed for durability and efficiency, the machine minimizes mechanical wear by relying on motor-based braking, ensuring reliable performance and reduced maintenance requirements.

Technical Operation

Operating Principle	Motor drives flywheel via gear unit; screw pair moves ram; regenerative braking for energy recovery.
Braking System	Regenerative Braking, Dynamic Braking, Mechanical Brake Backup

Performance Features

Maintenance Benefits

- Reduced mechanical brake wear
- Regenerative energy recovery
- Motor-controlled braking process

Energy Efficiency	Yes