

Oilseed Pressing Production Line

This oilseed pressing line extracts a portion of oil by mechanical pressing. It includes seed cleaning, cracking, dehulling, flaking, cooking, pressing, and oil residue separation.



Overview



Raw material unloading and storage section of the production line.

Industrial Oilseed Pressing Line

This comprehensive oilseed pressing production line is engineered for high-efficiency mechanical oil extraction, providing consistent oil yield and high-quality pressing cakes suitable for further extraction. The system integrates a full succession of processes including seed cleaning, dehulling, flaking, cooking, and pressing. Designed for industrial-scale operations, it features robust construction and advanced control mechanisms to ensure reliable performance and ease of maintenance.

Technical Specifications

Production Capacity

100 t/d

Minimum Capacity

1500 t/d

Maximum Capacity

Compatible Oilseeds

Soybeans, Rapeseeds, Cottonseeds

Process Workflow

Operational Workflow

- Raw Material Unloading and Warehousing
- Cleaning, Stone Removing, and Weighing
- Crushing and Seed Dehulling
- Softening and Adjustment
- Flaking
- Cooking and Pressing
- Cooling

Equipment Details



Cleaning and stone removal equipment integrated into the processing line.

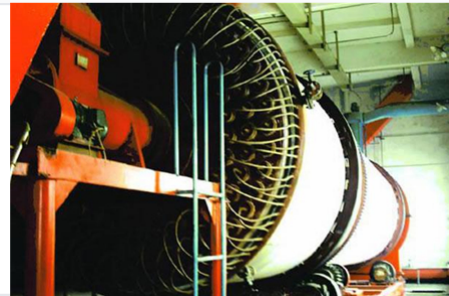
Equipment by Processing Stage

Processing Stage	Key Equipment
Unloading & Warehousing	Automatic unloading machine, cleaning screen, elevator, silos
Cleaning & Weighing	Flat classifying screen, gravity stoner, magnetic separator
Crushing & Dehulling	Magnetic separator, crusher (huller), kernel/husk separator
Softening & Adjustment	Horizontal drum softening machine, conveying equipment

Advanced Features



The kernel and husk separator features an observation window for real-time process monitoring.



WRG-B Series Horizontal Drum Softening and Conditioning Machine for precise material adjustment.

WRG-B Series Horizontal Drum Softening

The softening unit utilizes a rotating heating element with an advanced drainage system to prevent condensate accumulation. It features an automatic air extraction valve to remove non-condensable gases, enhancing heat transmission efficiency. The unit is equipped with a variable frequency motor, allowing for precise adjustment of conditioning time.

Kernel and Husk Separator Highlights

- Inverter-driven feeding for even material distribution
- Air-lock valve for consistent feeding
- High-efficiency collision-based hulling
- Wind-kernel-husk counter-flow contact
- Integrated vision glass for real-time monitoring