

Microwave Extraction Equipment

This microwave extraction equipment enhances extraction yields using microwave technology while maintaining product quality. It is equipped with a stainless steel reactor, cooling system, and control panel for optimal performance and easy operation.



Overview

Advanced Microwave Extraction System

This industrial-grade microwave extraction equipment is engineered for high-efficiency processing in pharmaceutical, food, and chemical applications. Featuring a fully automatic Mitsubishi PLC control system, it offers precise temperature regulation and adjustable microwave power to maximize extraction yields. The system is designed for continuous 24-hour operation, ensuring consistent, high-quality output with both water and alcohol solvents.

Performance Metrics

Microwave Power

8 kw

Min Power

30 kw

Max Power

Typical Process Time

Extraction Type	Duration
Water Extraction	<0.6 – 2h/pot
Alcohol Extraction	<0.5 – 1.5h/pot

Capacity 500 L

Technical Specifications

Input Supply Voltage	380V 10% / 50HZ (3-phase)
Microwave Frequency	2450 MHZ
Agitation Speed	0 — 100 r/min
Operating Temperature	30 — 95
Compatible Solvents	Water, Alcohol

Operational Features

Cooling Methods

- Air cooling for Magnetron
- Oil cooling for Transformer

Safety Compliance

Explosion-proof • National Standard Leakage Compliance

Control System

Fully automatic PLC controlling system with stepless frequency speed regulation