

Hydraulic Metal Forming Machine

This hydraulic metal forming machine is designed for metal forming applications. It uses hydraulic pressure to expand metal workpieces into desired shapes using water as the forming medium.



Product Overview

High-Efficiency Hydraulic Metal Forming

This hydraulic metal forming machine utilizes advanced water-bulging technology to create complex, belly-shaped, or patterned metal products such as bottles and flasks. Equipped with a servo motor system, it offers a 20-30% energy saving and a 60% reduction in noise compared to traditional units. Safety is prioritized through dual start buttons and infrared sensor protection, ensuring reliable and secure operation for high-capacity production environments.

Key Performance Metrics

Machine Capabilities

1500 KN

Master Cylinder Capacity

1000 KN

Pressurized Cylinder Capacity

27.5 KW

Motor Power

Technical Specifications

Mechanical Dimensions and Stroke

| Parameter | Value |
|-----------------------------|----------------------|
| Master Cylinder Stroke | 750mm |
| Pressurized Cylinder Stroke | 350mm |
| Sliding Platform Stroke | 250mm |
| Working Table Area | 550mm x 450mm |
| Overall Dimensions | 2500 x 1900 x 4000mm |

Operational Capabilities

Injection System Specifications

- Max Injection Capacity: 2-5.9L
- Max Injection Pressure: 70Mpa
- Fast Ram Speed: 700mm/s
- Slow Ram Speed: 17-50mm/s
- Return Ram Speed: 700mm/s

Features

Product Highlights

Servo Motor Energy Saving, Low Noise Operation, Infrared Safety Sensors, High-Speed Output, Dual-Start Protection