

Chen Hsong Jetmaster JM650-C3-SVP/2

Technical Data Sheet & Specifications Overview

The **Chen Hsong Jetmaster JM650-C3-SVP/2** is a high-performance toggle-type plastic injection molding machine. Powered by the energy-saving **SVP/2 servo-drive system** and controlled via the **Nippobatta Ai-12 controller**, it is engineered for highly stable, precise, and energy-efficient operations. It is frequently deployed for large, high-quality components in the automotive and home appliance industries.

Key Machine Technical Parameters

Parameter	Specification Value
Clamping Force	650 Tons / 6500 kN
Power Pack Drive	SVP/2 Servo-Drive System (Inovance)
Controller Type	Nippobatta Ai-12 / B&R System
Distance Between Tie Bars	880 x 880 mm (or up to 35.43" x 35.43")
Platen Size	51.57" x 51.57" (Approx. 1310 x 1310 mm)
Mold Opening Stroke	36.2" (Approx. 920 mm)
Ejection Stroke	265 mm
Typical Shot Size (PS Variant)	Approx. 75 oz. (~2300 cm³ swept volume)
Screw Diameter	3.26" (Approx. 83 mm depending on configuration)

Standard Design Features

- **Exclusive Circular Platen:** Features Chen Hsong's patented design ensuring even stress distribution to molds, mitigating stress concentration, and vastly lengthening mold life.
- **Energy Saving SVP/2 Pack:** Integrates an energy-saving servo drive system (Inovance/Eckerle pumps) capable of reducing power consumption by up to 80% compared to traditional fixed displacement configurations.
- **Injection Unit:** Nitrided injection screw and barrel with high anti-wear profiles, driven directly by a high-torque radial piston hydraulic motor.
- **Hydraulic & Safety Compliance:** Equipped with proportional backpressure control, multi-ejector

system sequencing, core pull circuits, air blow configurations, and mechanical/electrical/hydraulic safety guard interlocks.