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# Used SACMI OIMA 350T injection molding machine - Year 2010

| | |
|---|---|
| **Machine type:** | Injection Molding Machine |
| **Ref:** | PR28 |
| **Model:** | 6500.350 |
| **Year:** | 2010 |
| **Condition:** | Ready For Operation |
| **Containers:** | PET |

## Technical details

| | | | |
|---|---|---|---|
| No. of cavities: | 72 | Neck type: | Alaska Blue PRE 342 |
| Preform weight: | 34 | Safety features: | Yes |
| Manuals: | No | Weight: | 20000 kg |
| Power: | 436.58 kW | Voltage: | 400 V |
| Frequency: | 50 Hz | | |

## Description

### Used SACMI OIMA 350T injection molding machine - Year 2010

### Technical Specifications & Performance Data

This injection molding machine for PET preforms is a high-output cell engineered for beverage production and industrial packaging applications. Manufactured by OiMA, it combines robust clamping performance with precise injection control and a complete set of auxiliaries for reliable second hand operation within a used bottling line context.

- **Manufacturer:** OiMA S.p.A.
- **Model:** 6500.350
- **Application:** PET preform production for beverage packaging
- **Clamping force:** 350 ton
- **Injection volume:** 4500 $cm^3$ per 100 MPa
- **Installed power:** 436.58 kW
- **Power supply:** 400 V, 50 Hz
- **Machine mass:** 20,000 kg

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- **Press year:** 2014
- **Mold:** SACMI PPM 072 H, 72 cavities, 34 g preforms, neck type Alaska Blue PRE 342
- **Year:** 2010
- **Mold temperature:** 8–12 °C
- **Mold mass:** 9,720 kg
- **Auxiliaries included:** Sytrama REV 156 PET take-out robot; Plastic System dehumidifier; Plastic System hopper H6000H; Plastic System mold-area dehumidifier DSH 2004 MIC DISP; conveyor; palletizing system
- **Material processed:** PET

## Advanced Automation & Control Systems

The cell integrates a Sytrama REV 156 PET robot for automatic take-out and part handling, supporting stable cycle times and consistent product quality. The machine is equipped with an electric charging unit and hydraulic accumulators for fast, repeatable injection phases. Operator-friendly controls and interlocked safety guards help streamline setup and routine operation.

- Automated take-out and transfer via Sytrama robot
- Accumulator-assisted injection for stable, fast cycles
- Integrated dehumidification and material handling for resin conditioning
- Electrical specifications: 400 V, 50 Hz
- Engineered for quick, repeatable mold changes and efficient maintenance access

## Production Line Integration Capabilities

This injection cell can operate as a standalone preform production unit or be integrated upstream of stretch blow molding in a PET production line. The included dehumidifiers, hopper loader, conveyor, and palletizing system simplify in-plant logistics and align with broader bottling equipment and packaging machinery workflows.

- Standalone or inline operation with PET packaging lines
- Dehumidification and hopper loading optimize PET resin preparation
- Conveyor and palletizing system support downstream handling and warehousing
- Ideal for beverage production environments targeting consistent preform supply

## Machine Condition & Maintenance History

This second hand injection molding machine is presented in operational condition and ready for immediate use after standard site preparation and commissioning. The core press is year 2014, with the SACMI mold and auxiliaries from 2010, providing a balanced mix of robust mechanics and proven process reliability for PET preform production.

## Operational Performance & Versatility

With a 350 ton clamp and 72-cavity SACMI mold, the system delivers high-throughput preform manufacturing suitable for water, juice, and other beverage packaging once blown into bottles downstream. The cell’s integrated resin

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dehumidification and controlled mold temperature range (8–12 °C) contribute to dimensional stability, surface finish, and low acetaldehyde content—key quality parameters for beverage packaging.

- High-cavity mold for large-scale preform output
- Consistent process conditions for repeatable quality
- Integrated take-out robot minimizes cycle time and handling defects
- Optimized for PET material conditioning

## Installation Requirements & Site Preparation

Ensure appropriate floor loading for the 20,000 kg press and safe access for installation equipment. Provide stable three-phase electrical service at 400 V, 50 Hz. Chilled water is required to maintain the mold temperature within the 8–12 °C operating window. Space planning should account for the robot envelope, conveyor routing, and palletizing zone.

- Electrical: 400 V, 50 Hz
- Cooling: chilled water for mold temperature 8–12 °C
- Handling: hoisting capacity for heavy equipment placement
- Layout: clearances for robot, conveyor, and palletizing system

## Safety Standards & Compliance Certification

The injection cell features perimeter guarding, interlocked access points, and emergency stop circuits to protect operators and maintenance staff. The integrated robot and auxiliaries are arranged to promote safe operations and streamlined maintenance within modern industrial packaging and used bottling line facilities.