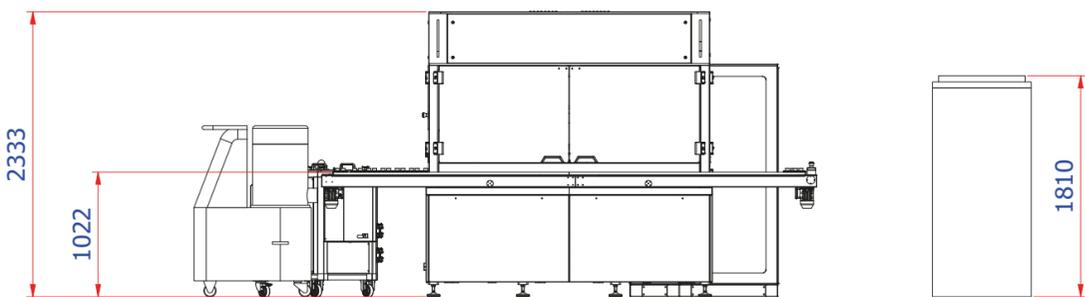
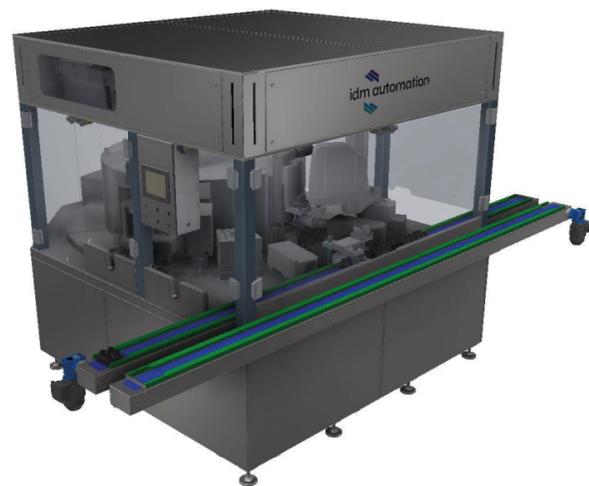


CONFIGURATION

- Casting Mould Heating
- Mould cleaning
- Mould silicone application
- Doser connected to heated or unheated hopper or pressure tank
- Mould cooling
- Re-melting
- Product insertion into packaging



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Sticktech Fusion MST-4-050



STICKTECH FUSION MST-4-050

DESCRIPTION

Automatic technological solution intended for producing poured stick.

The machinery is equipped with a 50-position rotary table and metal molds, optimized for handling hot pours of various stick materials, featuring an integrated liquid thermal exchange system for efficient temperature regulation during production.

The solution is compatible with precision dosing of mixtures with different features and it can be customised and configured by adding the modules required for the production and the degree of automation required.

APPLICATION and CONSUMER OUTPUT

Make-up - Eyes, Face, Lips

Skin Care - Face, Body

Toiletry, DEO/AP

TECHNICAL FEATURES

- Productivity: up to 2000 pcs/h
- Supported Formats: \square 6 mm - \square 25 mm
- Internal volume: 1 mL - 15 mL



ADVANTAGES

- Extreme metering precision
- Ergonomic design for the maximum comfort for operators during processing
- Control the access from a single interface with self-diagnostic functionality
- Accessibility improved, high product visibility, maintenance and cleaning operations
- Security guaranteed by 5 mm + 5 mm toughened and laminated glass
- Reliability of a robust construction for low maintenance and long service life
- Simplicity of control thanks to management systems with intuitive operator support
- Facilitated mechanical procedures and dedicated software
- Premium Partnership with Mitsubishi, Keyence, Festo
- 50-Position Rotary Table: Optimized for high productivity, capable of processing 4 molds simultaneously at each station
- Innovative Thermal Management: Leveraging water-based heating and cooling systems to ensure consistent temperature across all molds, avoiding fluctuations typically seen in air-based tunnels
- Precision and Flexibility: Each mold includes an adaptable two-position valve, allowing seamless switching between hot and cold zones, controlled via an external chiller for precise thermal stability

OPERATIONAL SEQUENCE

- 1. MOLD LOADING**
Aluminum molds equipped with anti-rotation for consistent alignment.
- 2. FILLING STATION**
Features a high-precision volumetric dosing system linked to an external 80L fusion tank (customizable to 30L or 150L), ensuring optimal preparation and filling, adjustable up to hours in advance.
- 3. PACKAGING MANIPULATION AND ASSEMBLY**
Fully automated robotic handling of primary packaging for filling and assembly, with options for quality control such as visual inspection or advanced vision systems.
- 4. OPTIONAL MODULES**
Customize with modules like mold drying or cleaning stations based on production needs.

INSIGHTS

- Modular Flexibility: Configurable with customer-defined stations and adaptable dosing volumes, supporting diverse stick formats including lipsticks, deodorant sticks, and chubby sticks.
- Durable and Safe Construction: Base made of welded steel with a milled aluminum platform and covers in polished stainless steel 304 BA, featuring 5+5 mm laminated glass for safety, ergonomic operation, and intuitive diagnostics to provide optimal operator support.
- Seamless Integration with Premium Partners: Supported by advanced technology components from Mitsubishi, Keyence, and Festo, ensuring robust performance and long-term reliability.
- High Productivity: Achieves streamlined stick filling and assembly processes with rapid format adaptability and minimal downtime.
- Enhanced Operator Comfort: Ergonomically designed with intuitive control interfaces and self-diagnostics for simplified operation.
- Exceptional Product Consistency: Maintains precise temperature control throughout the process for consistent quality, even at high production volumes.

