

br5 special spa

Thermoforming machines



CMS is part of SCM Group, a technological world leader in processing a wide range of materials: wood, plastic, glass, stone, metal and composites. The Group companies, operating throughout the world, are reliable partners of leading manufacturing industries in various market sectors, including the furniture, construction, automotive, aerospace, ship-building and plastic processing industries. SCM Group coordinates, supports and develops a system of industrial excellence in 3 large highly specialized production centres employing more than 4,000 workers and operating in all 5 continents. SCM Group: the most advanced skills and know-how in the fields of industrial machinery and components.

CMS SpA manufactures machinery and systems for the machining of composite materials, carbon fibre, aluminium, light alloys, plastic, glass, stone and metals. It was established in 1969 by Mr Pietro Aceti with the aim of offering customized and state-of-the-art solutions, based on the in-depth understanding of the customer's production needs. Significant technological innovations, originating from substantial investments in research and development and take-overs of premium companies, have enabled constant growth in the various sectors of reference.



CMS Plastic Technology produces numerically-controlled machining centres and thermoforming machines for the working of plastic materials, offering technologically advanced solutions. The brand originates from the winning synergy between the technical-industrial expertise in thermoforming of the historical company Villa, established in 1973, and CMS' historical know-how in milling. Thanks to constant investments in research and innovation, CMS Plastic Technology is recognized as a unique partner for the whole process: from thermoforming to trimming to the realization of models and moulds, ensuring maximum productivity. **CMS Plastic Technology** is in the forefront of manifold sectors, such as: automotive, aerospace, earth-moving machinery, caravans, buses, railway industry and production of bathtubs.



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APPLICATIONS



SPA



Innovative.

Designed.

Efficient.

Addjustable.

Lean solutions.

The **I**DEAL thermoforming machines.

Thermoforming machines

BR5 SPECIAL SPA

TECHNOLOGY BENEFITS

EASE OF USE AND SAFETY

The br5 special spa series - manual or automatic sheet loading thermoforming machine - is designed for thermoforming of large parts that do not require sheet sag control..

- ease of use and safety.
- low-cost but full features
- dimensions of 2.500x2.500 mm up to 6.000x2.500 mm



KEY BUYER BENEFITS

- + -53% learning times thanks to the userfriendly software specifically developed for thermoforming process. All variables are saved in a single program ensuring the same results even after years.
- + Specific machine design for bathtubs and whirlpools with total mould extraction for easy access while loading sheets and unloading parts. Main proportional vacuum with a second line for borders forming.
- + Modular design that allow to reach huge dimensions in X up to 12 meters. Clamp frame with stretching functions in Y for increasing sheet dimension. Maximum mould height up to 2000mm.

COMPONENTS

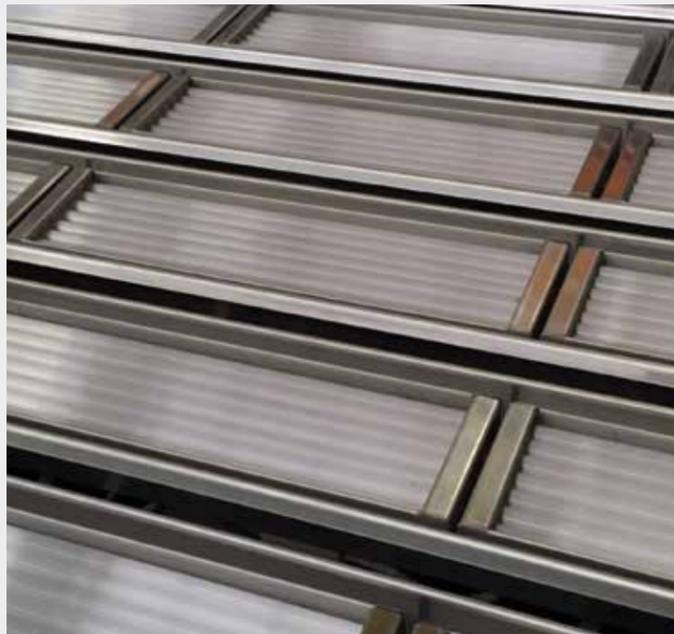
Optical pyrometers for both heating and cooling control function



Electric removable table for set-up operations and easier material loading and piece unloading



Heating system with double upper and lower panel with quartz elements



Separate double vacuum system for edge and basin forming unit with built-in tank and full proportional system

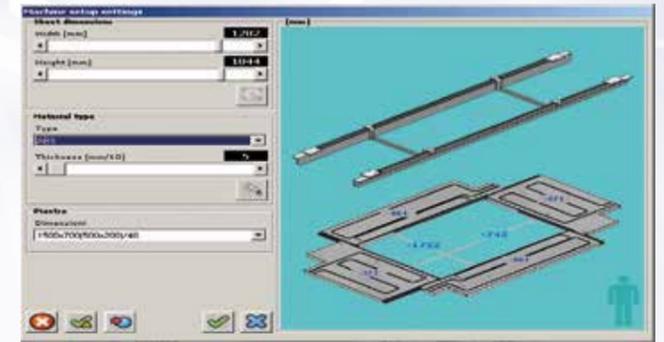


CMS SUPERVISOR MASTER

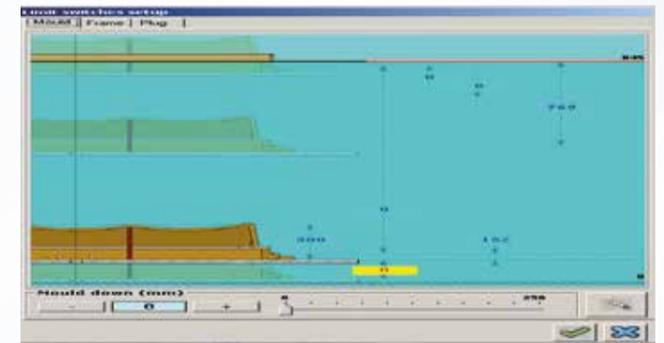
MAIN SCREEN

- User-friendly
- Touchscreen-ready
- Diagnostics, automatic cycle, process parameters, sensors and productivity parameters all on one screen
- Direct links to the set-up screens from the main screen

Frame size changeover and electronic reduction plate



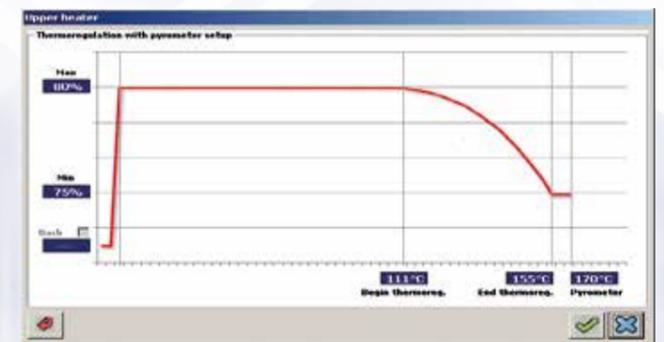
Synoptic system for simplified axis programming



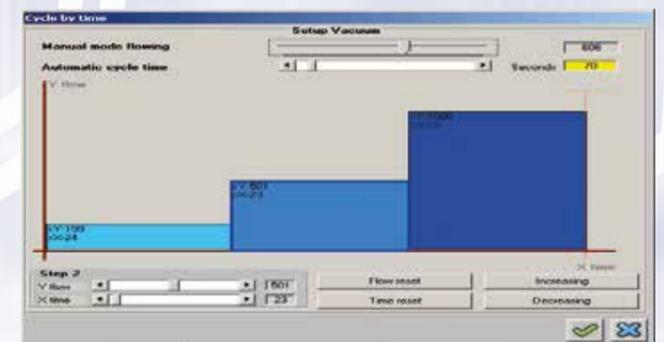
Programming is simplified by comparing the sheet dimensions to the heating oven



Variable heating power according to material temperature



Vacuum, air and bubble adjustable in flow and time





SERVICE OUR TECHNICIANS BY YOUR SIDE ALL OVER THE WORLD

-  Training
-  Installation
-  Remote Customer Care (RCC)
-  On-site assistance
-  Maintenance
-  Changes & Retrofitting
-  Spare parts

A GLOBAL PRESENCE FOR BEST-IN-CLASS SERVICE

- 36.000 different codes to serve machines of all ages
- 1 central warehouse at the headquarters in Zogno and 6 bases around the world fully integrated at IT level and controlled by a shipping optimisation software to reduce waiting times;
- 98% of orders available in stock
- spare parts guaranteed thanks to a scrupulous control process and validation via our internal quality laboratory;
- availability to draw up recommended spare parts lists based on client needs, to reduce down time to a minimum;

THE RANGE OF CMS PLASTIC TECHNOLOGY

FOR PROCESSING PLASTIC MATERIALS

3/5-AXIS CNC MACHINING CENTERS (Z stroke up to 500 mm)



TRACER



TIME



EVOTECH

5-AXIS CNC MACHINING CENTERS (Z stroke from 500 mm)



ATHENA



ANTARES



ARES



GENESI

BEAMS SAWS



HELIX

SAWS



T-MAXI

THERMOFORMING MACHINES



EIDOS



BR5 CS



BR5 HP



BR5 SPECIAL SPA



MASTERFORM

WATERJET CUTTING SYSTEMS



TECNO CUT PROLINE



TECNO CUT SMARTLINE



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