

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 centers 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 Glass Technology** is a leader in the field of curved and flat glass working with technologically advanced solutions such as numerically controlled machining centres, cutting benches and water-jet cutting systems. Thanks to the tradition and experience of the historic brands Brembana and Tecnocut, today **CMS Glass Technology** is an absolute protagonist in this sector for the manufacturing of innovative solutions dedicated to architecture and interior decoration.

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# APPLICATIONS



mirrors | shower enclosures | photovoltaic | tables



stairs | doors | façades and windows | ovens and stove tops

**G**enius.  
**O**ptimized.  
**O**perational.  
**D**urable solutions.

The **GOOD** way to fix your production needs.

Loading systems

# KART

## TECHNOLOGICAL BENEFITS

### AUTOMATIC LOADING SYSTEMS

CMS Glass Technology offers a wide range of Kart model loaders/unloaders for the automatic handling of glass sheets. All such systems are easily integrated into any straight line edger (vertical or horizontal), machining centers and double edge machines. They enable the operator to carry out loading/unloading operations in complete safety, minimizing all risks of breakage and increasing productivity.

- the movements (approach, pick-up, lifting, tilting, release, etc.) are managed by a CMS designed PLC
- the glass sheet is picked up by a suction cup group connected to the vacuum circuit through a Venturi system or a liquid ring pump; according to the sheet dimensions, the software decides on the number of suction cups to use
- the (optional) brushless motors make movements smoother and faster
- they can be easily integrated into other manufacturers' plants

### KEY BUYER BENEFITS

- + **Superior Performance:** thanks to the movement with rack and pinion it's possible to handle glass sheets up to 400Kg or reach cycle times of less than 15 seconds.
- + **Anti-Scratch System:** the device that interposes strips of paper between one glass and another. In this way, the glasses are not scratched and are ready to be sent directly to the final customer.
- + **Multi pallet management:** thanks to the movement of the wrist controlled by a brushless motor, specific recipes can be set for each type of pallet. With a variable angle of 90 ° with automatic adjustment, the pallet changing time is zero.
- + **Automatic suction cups management:** the NC management controls each single suction cup to eliminate operator intervention. The Kart can manage the vacuum through a Venturi system or with a vacuum pump for cycle times reduced by 15%.

### KART - KART V - KART PALL - KART V PALL: TECHNICAL DATA

MODEL	MAX LOADING DIMENSIONS	MIN LOADING DIMENSIONS	MAX LOADING WEIGHT
50	2200x1200 mm / 86x47 in	300x200 mm / 12x8 in	50 kg / 110 lb
150	3000x1600 mm / 118x63 in	300x200 mm / 12x8 in	150 kg / 330 lb
200	4000x2200 mm / 157x86 in	500x200 mm / 20x8 in	200 kg / 441lb
400	4800x2800 mm / 189x110 in	500x200 mm / 20x8 in	400 kg / 882 lb

KART E KART PALL  
FOR HORIZONTAL MACHINES



KART V E KART V PALL  
FOR VERTICAL MACHINES



# ACCESSORIES

Management of different types and sizes of glass sheet



Powered rollers and (tilting) loading tables



Safe loading/unloading of glass sheet



Paper spreader system up to 8 strips



Suction cups for low-e glass sheet management



Polyurethane suction cups



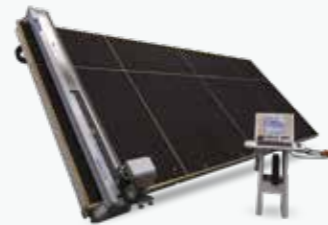
# THE RANGE OF CMS GLASS TECHNOLOGY

# FOR GLASS PROCESSING

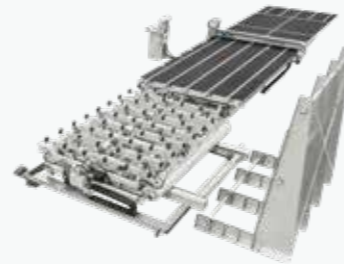
## HORIZONTAL MACHINING CENTERS



**AGIL TR**



**RUNNER**



**RUNNER LINE**

## CUTTING TABLES AND CUTTING LINE



**ELECTA**



**SPEED**



**GEA**



**MAXIMA**

## VERTICAL MACHINING CENTERS



**TAKTIKA**



**YPSOS**



**VERTEC MILL**



**YPSOS + VERTEC MILL**

## SEAMING MACHINES



**AURA**

## LOADING SYSTEMS



**KART**

## WATERJET CUTTING SYSTEMS AND PRESSURE INTENSIFIERS



**EASYLINE**



**SMARTLINE**



**PROLINE**



**AQUATEC**



**EASYPUMP**



**JETPOWER EVO**



**GREENJET EVO**



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