

aura

Vertical seaming machine



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 can offer the most advanced expertise worldwide in the design and construction of machinery and components for industrial processing.

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



CMS Glass Technology is a leader in processing curved and flat glass with technologically advanced solutions such as CNC machining centers, cutting benches and waterjet cutting systems. Thanks to its tradition and experience, **CMS Glass Technology** is today a leading player in this field capable of implementing innovative solutions intended for the architectural field and for interior decoration.

aura

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APPLICATIONS



facades | windows

Winning.
Innovative.
Durable.
Efficient solutions.

Our **WIDE** range for glass processing.



Vertical seaming machine

AURA

TECHNOLOGICAL BENEFITS

WHAT IS THE MOST CONVENIENT SOLUTION FOR AUTOMATICALLY SEAMING RECTANGULAR GLASS?

Cms aura is the vertical dry seaming machine specially developed to machine edges without the use of water (dry seaming). Aura can be used as a stand-alone machine, in line with a vertical washing machine and is **the perfect machine to be part of a double glazing line**. Aura can seam monolithic, laminated or low-e treated glass.

Aura is designed to meet the needs of customers who demand **ease of use, quick installation, reliability and low cost of system ownership**.

Worry free!

The operator loads the glass and starts the processing cycle, the machine automatically measures the incoming glass (height, length and thickness) and machines the edge.

Aura also adapts its operating units to different thicknesses.

HOW TO SAVE ON PRODUCTION COSTS?

DRY SEAMING, WITHOUT THE USE OF WATER!

- The tools are specifically designed for dry use.
- Glass dust is sucked up through a system of pipes that conveys it into a multi-stage filter at the rear of the machine.



KEY BUYER BENEFITS

- + No need for water **[COST SAVINGS]**
- + Max operating speed of 25 m/min **[PRODUCTIVITY]**
- + Suitable for 3-shift production **[PRODUCTIVITY]**
- + 100% automatic handling of different thicknesses **[PRODUCTIVITY]**
- + Complete collection of machining dust **[SAFE WORK]**

ACCESSORIES

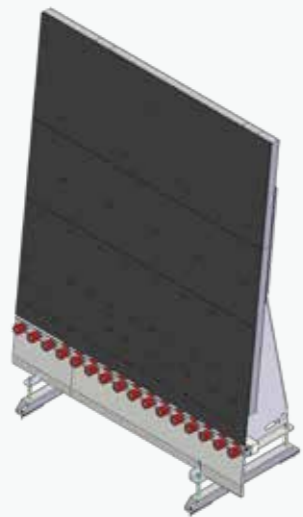
WATER CONSUMPTION? NO THANKS!

Aura is equipped with four **operating units**, each consisting of two heads, to seam the four sides of the glass. Each head has a flap disc tool designed for dry machining.



LESS IS MORE!

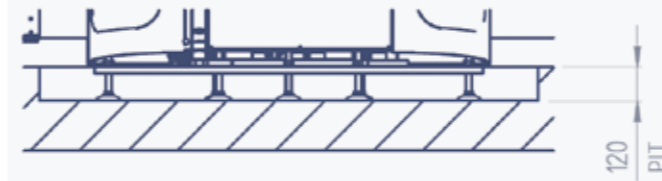
Aura is equipped with a large 21.5" operator panel with an interface that is highly optimized for the work process and is user-friendly. Everything is managed by the CMS **Main Supervisory Dashboard** control software.



OVERSIZE GLASS? NO PROBLEM!

Motorized roller conveyors can be installed to **lengthen both the machine infeed and outfeed**. Each roller conveyor measures 2500mm, allowing glass with lengths up to 6m to be machined.

The outfeed roller conveyor is also equipped with a **dual motor drive that can act as a buffer**.



HOW DOES AURA FIT INTO EXISTING LINES? ALWAYS IN-LINE!

Aura can be aligned with other machines or **double glazing lines** that have a machine zero height (height of the rollers on which the glass rests) from 450mm to 650mm. If the machine zero is from 450mm to 550mm, a pit must be provided in the floor to house the central body of aura.

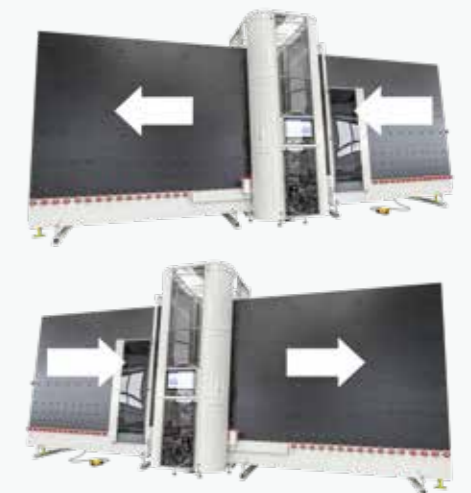
HANDLE WITH CARE? NO PROBLEM!

The racks on aura are equipped with rollers designed not to damage the low-e treated glass typical of the double glazing industry.



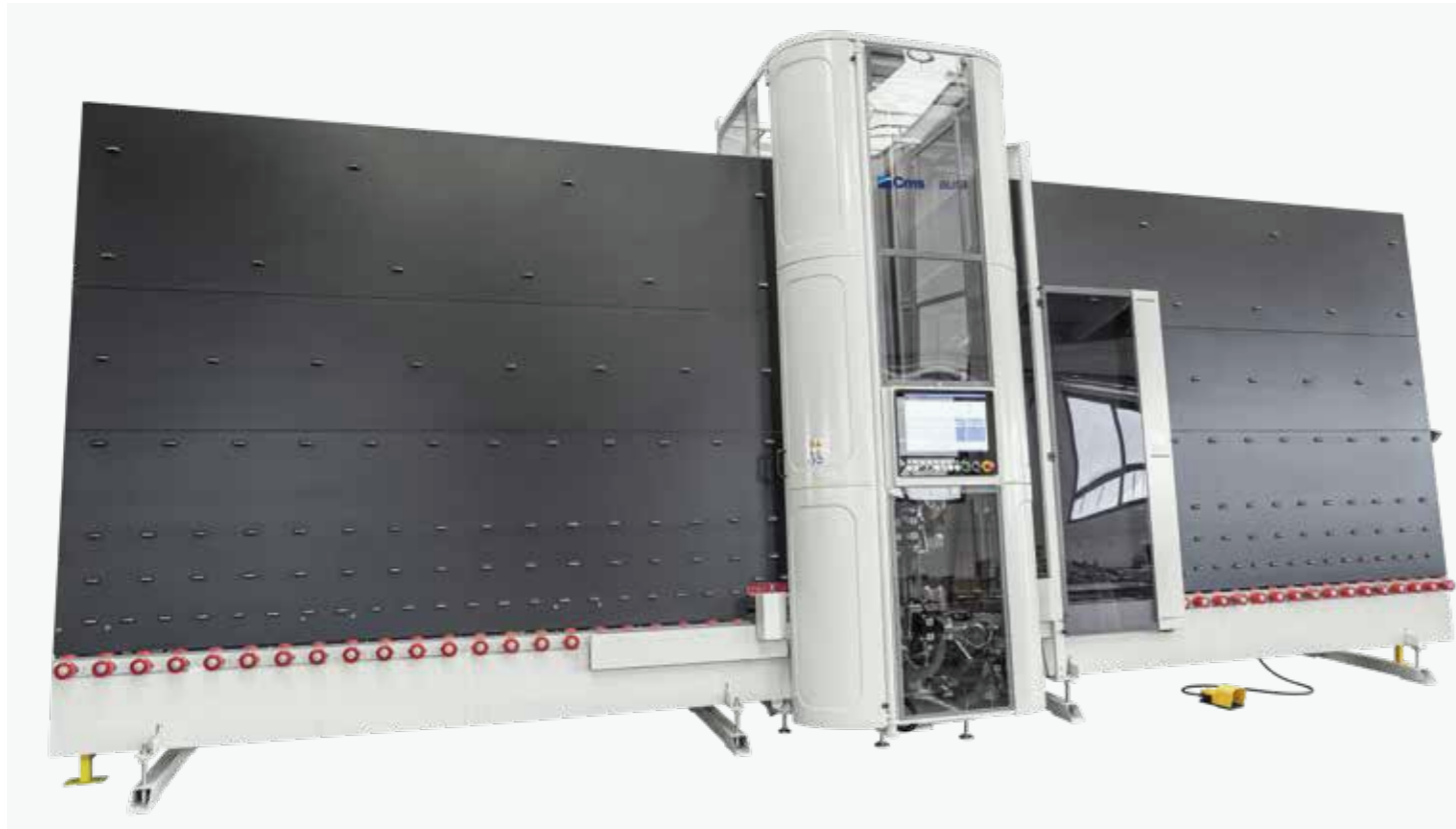
ALL ROADS LEAD TO AURA

Aura handles the standard left-to-right sheet feed direction. Alternatively, it can also be made for right-to-left feed, depending on **as required by the user**.



AURA

OVERALL DIMENSIONS AND TECHNICAL DATA



AURA: TECHNICAL DATA		
MAXIMUM HEIGHT	3845 mm / 151.4 in with roller height 450 mm / 17.7 in from the ground	4045 mm/159.2 in with roller height 650 mm / 25.6 in from the ground
MAXIMUM LENGTH	8250 mm / 325 in (without additional modules)	
STANDARD POWER SUPPLY	400 V - 50Hz 3Ph + Earth + Neutral	
AIR, MINIMUM WORKING PRESSURE	6 bar	
MINIMUM SHEET HEIGHT	240 mm / 9.54 in	
MAXIMUM SHEET HEIGHT	2700 mm / 106 in	
MINIMUM SHEET LENGTH	450 mm / 17.7 in	
MAXIMUM SHEET LENGTH	4000 mm / 157.4 in 6000 mm/ 236.2 in (with additional modules)	
MACHINABLE THICKNESS RANGE	4 – 22 mm / 0.16 – 0.86 in	



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a company of **scm**  **group**