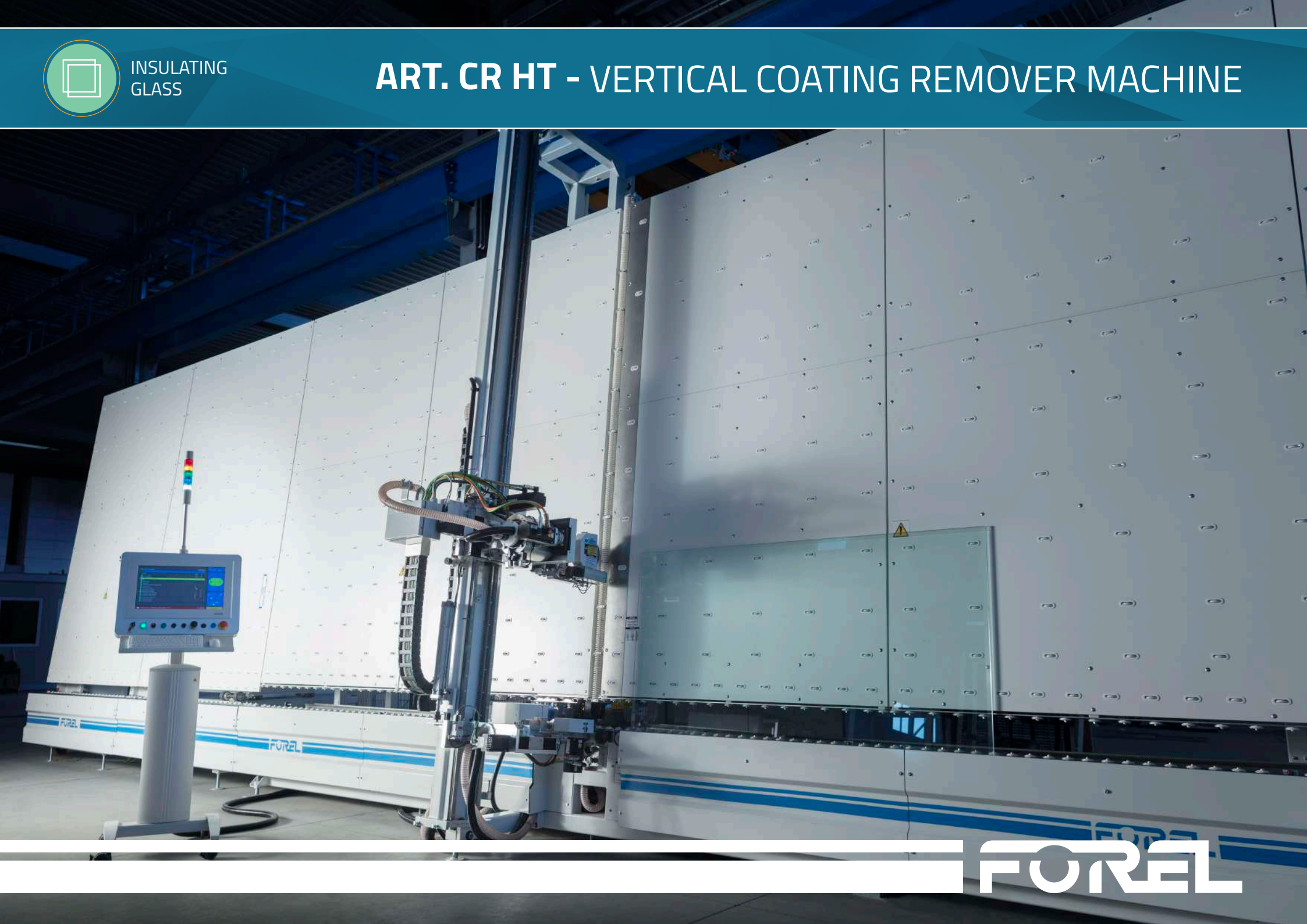
INSULATING
GLASS

ART. CR HT - VERTICAL COATING REMOVER MACHINE



ART. CR HT VERTICAL COATING REMOVER MACHINE

One of the most delicate steps in the insulating glass production cycle is the process to remove the Low-E low-emissivity coating from the surface of the glass. This is an operation which demands the utmost precision to ensure that the insulating properties of the coating on the rest of the pane are retained, and that the frame is applied and subsequently sealed correctly.

TWO OPERATING HEADS

The Art. CR HT vertical coating remover machine has been developed to remove Low-E coating with total precision, but also to offer a high performance, rapid solution. This has been made possible by its **2 operating heads, which work simultaneously to significantly reduce production times.**

To prevent dust or processing residue from fouling the surface of the glass, the operating heads are equipped with an **extractor system** situated immediately after the grinding wheel.

SELF-LEARNING MODE, AND SHAPED AND OFFSET PANES

The Art. CR HT coating remover machine is capable of processing **any rectangular pane in self-learning mode**. In this case, the machine automatically measures the thickness, length and width of the pane processed.

For **specially shaped panes**, the Forel Editor software application may be set up to process any shape of pane without difficulty.

In the case of **offset panes**, the coating is removed with multiple passes of the grinding wheel to process up to a maximum width of 100 mm.

MANAGING FLATNESS ERRORS

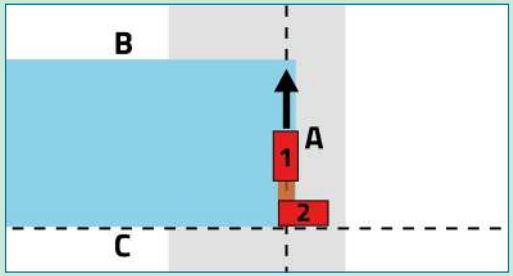
The larger the pane processed, the more unlikely it is that the pane itself is perfectly flat.

To handle possible flatness errors without difficulty, the Ar. CR HT coating remover machine features a **system which automatically adjusts the pressure and distance between grinding wheel and the surface of the pane** to ensure that the coating is always removed uniformly.

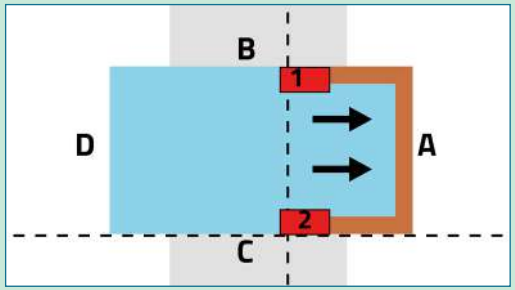
WORK SEQUENCE

**example of process with rectangular pane*

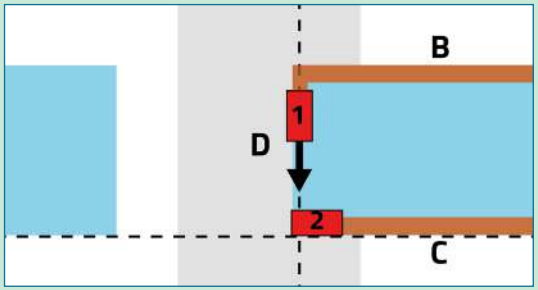
1. Edge A of the pane arrives in the processing position. Grinding wheel ascends vertically 1 to remove the coating.



2. As the pane moves forwards, grinding wheel 1 and grinding wheel 2 remove the coating along the edges B and C simultaneously.



3. Grinding wheel 1 descends vertically to remove the coating along edge D and return to its home position, ready to receive the next pane.



FLEXIBLE AND RELIABLE

The **coating removal speed** is completely flexible, and may be tailored to suit the type of Low-E coating removed.

A special **pre-setting system** determines the state of wear of the two grinding wheels used before processing starts, and **adjusts the circumferential speed of the grinding wheel** accordingly to ensure precise coating removal results irrespective of wear.

The Art. CR HT coating remover machine is also equipped with a **tool for regenerating the grinding wheels** when necessary.

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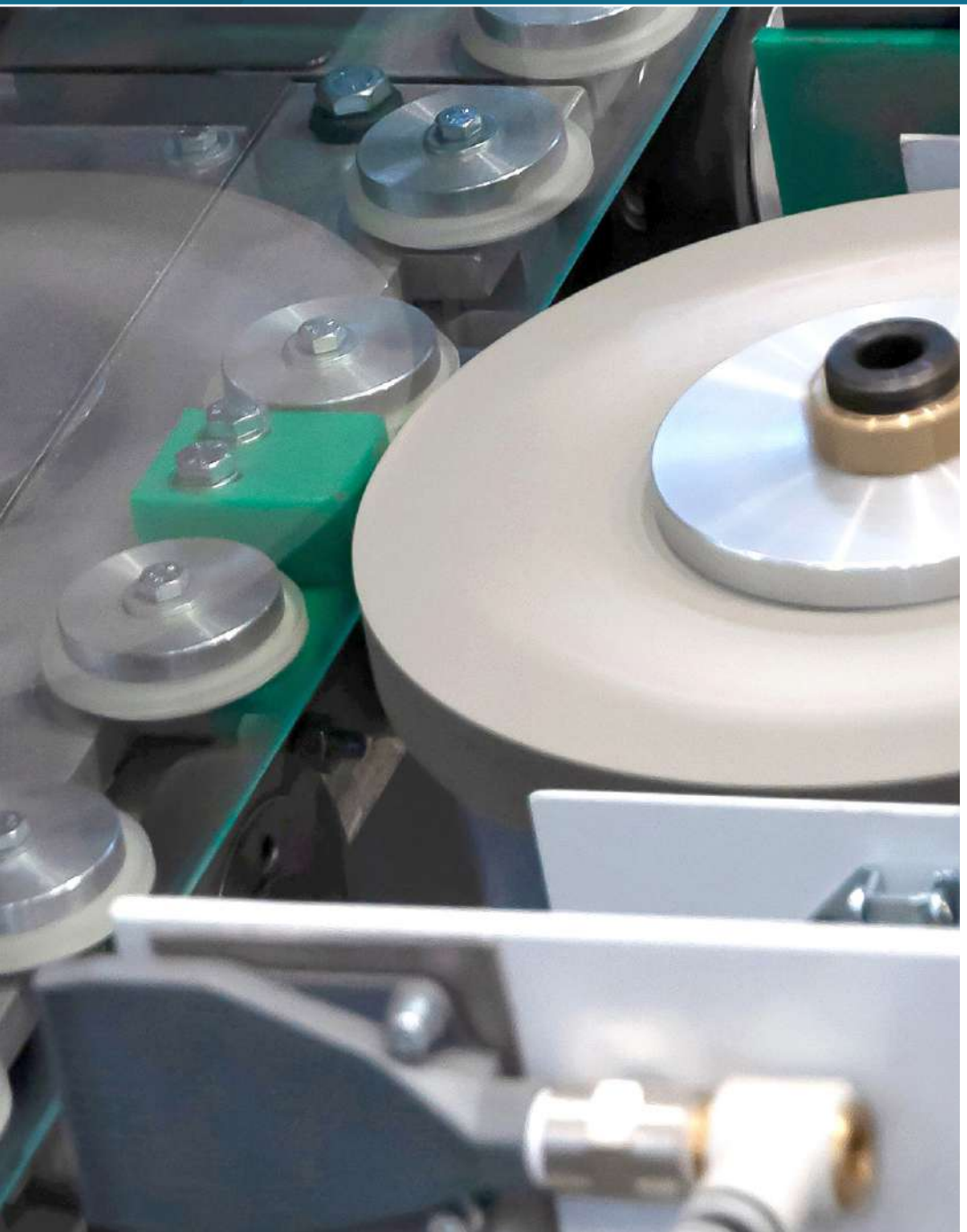

Family **INSULATING GLASS**
Type **VERTICAL COATING REMOVER MACHINE**

Technical characteristics

Models	CR04020	CR04025	CR05028	CR06033
Height (mm)	3,300	3,800	4,100	4,600
Length (mm)	11,400	11,400	12,500	13,500
Depth (mm)	3,100	3,100	3,100	3,100
MAX pane length (mm)	4,000	4,000	5,000	6,000
MAX pane height (mm)	2,000	2,500	2,800	3,300
Processing pane thickness	from 3 to 25 mm			
Maximum transportable weight	200 kg/linear metre			
Tools supplied	2 grinding wheels measuring 10 mm in thickness, grain size 120 + 2 grinding wheels thickness 20 mm grain 120			

*Forel is constantly working on the development of new solutions.
Some data present in this leaflet may differ from the models available on the market.

FOREL SPA
Via per Monastier 4 - Vallio di Roncade - 31056 - Treviso - ITALY
Tel: +39 0422 840507 - info@forelspa.com

forelspa.com