



NORMANVER and CMS: excellence in glass seaming

The Normanver production became easier and faster thanks to the dry seaming machine CMS AURA: a solution that allow the French company to process double glazing and tempered glass with highest quality results, low running costs and little maintenance. Aura can process a serie of glasses with different sizes automatically and once cleaned, they can be inserted directly into the oven for tempering process.

Normanver, a French company based near Rouen (Normandy) that operated extensively in the northern France, has been a leader in the glass sector since 1986. Its factory team works and produces many glass types from the beginning of the production chain to its end: flat, safety, tempered or laminated glass, insulating glass with thermal or solar control and decorative glass. Tony Binard, president of Normanver since

2003, explains how fundamental it is for his company to be able to guarantee its customers the highest possible product quality, telling how Normanver has moved away from the concept of volume production to approach production of smaller quantities instead - albeit with a significantly higher level of quality.

DRY SEAMING BEFORE TEMPERING

With this idea in mind the company turned to solu-





tions proposed by CMS, which led it to purchase an AURA - the vertical dry seaming CMS machine that, says Binard, “really corresponded to our needs.” He goes on: “In Normanver we needed a dry seaming machine that would allow us to offer solutions for both double glazing and tempered glass.” Today the importance the cms of aura use within the Normanver production chain

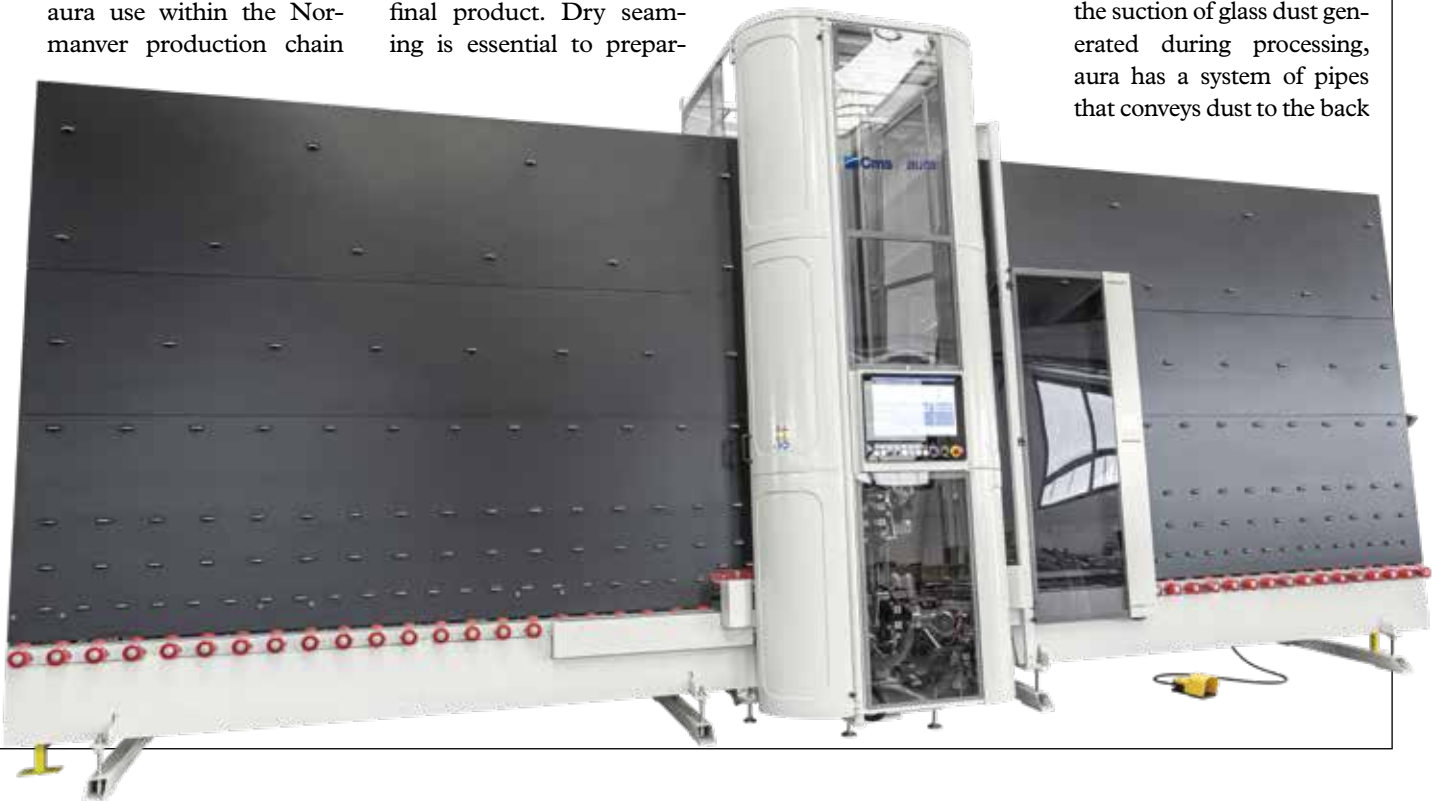
comes with the dry seaming of glass - a process that allows edges to be finished precisely and cleanly while removing the sharp part left by glass sheet cutting. A great benefit of seaming is that these glasses, once processed and cleaned, are directly inserted into the oven for tempering - thereby guaranteeing more resistance and safety of the final product. Dry seaming is essential to prepar-

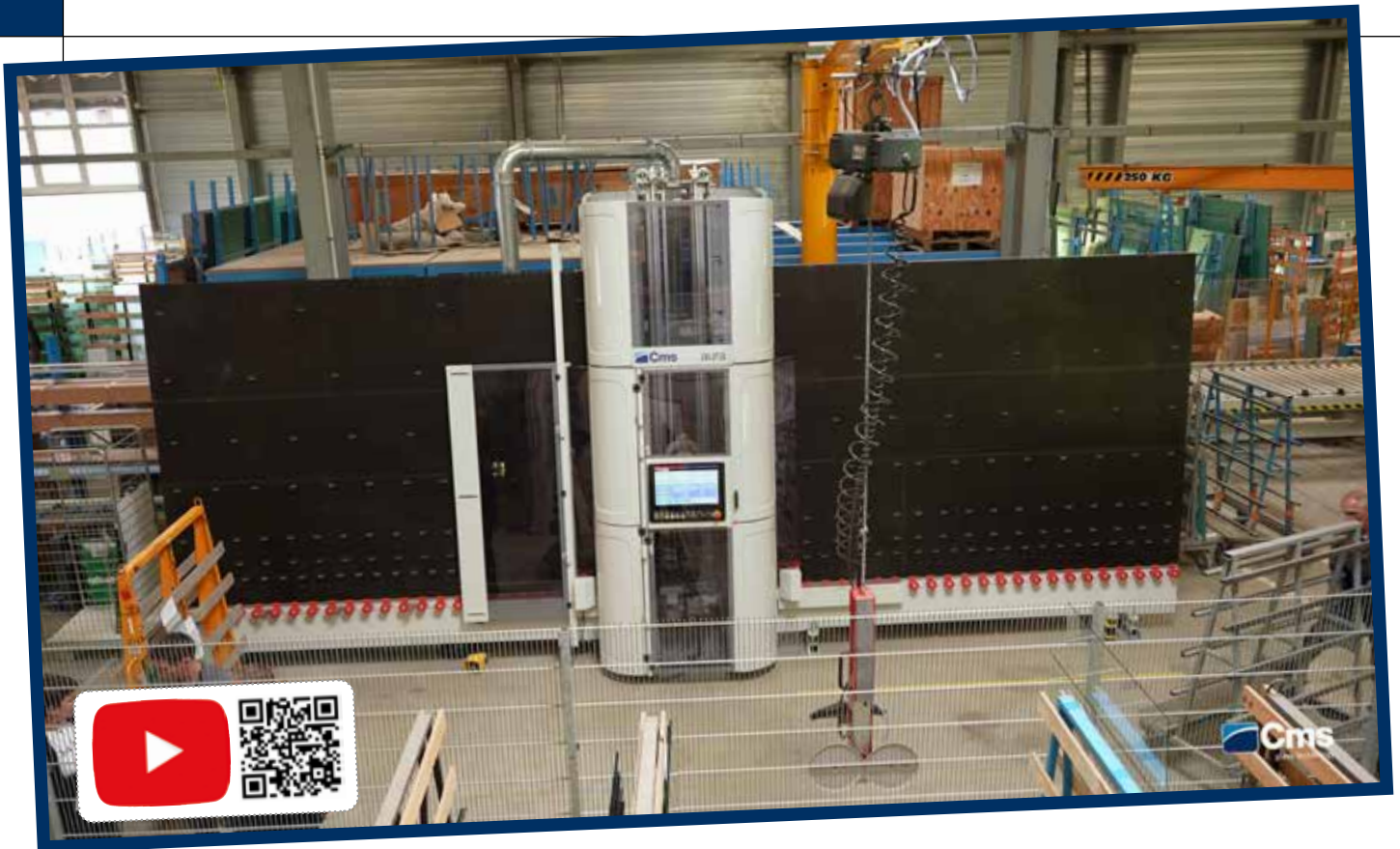
ing the glass for heat treatment - ensuring that each piece meets the high quality standards required by Normanver.

SUPER-LOW MAINTENANCE AND USE COSTS

Aura requires little maintenance and low running costs - all while being very simple to use. One important win

comes from the fact that its tools require no water to function. This saves both on water consumption and on the cost of purification systems. Aura is equipped with four operating groups - each made up of two heads for seaming the four sides of the glass and each head is equipped with a flap disc tool that’s designed for dry working. To better manage the suction of glass dust generated during processing, aura has a system of pipes that conveys dust to the back





of the machine into a multi-stage filter - which leaves the work environment clean and safe.

SIMPLE AND FAST

For the dry seaming machine we go into more detail in glass processing with Martial Millard, who deals with glass processing in the company - seaming glass with aura every day. He is particularly satisfied with how Aura has made his work easier and faster thanks to the automation of the process of recognizing the dimensions and thickness of the glass once loaded into the machine. Says Martial: "I can take any glass of any size and thickness, one after the other and everything is automatic." In about 15

minutes he manages to dry fillet a series of 50 pieces of glass! Indeed Aura can seam 1x1 m of glass in

just 18 seconds and can be used as a single machine - whether in line with a vertical washing machine or in an insulating glass line.

ZERO OPERATOR CONCERNS

"At the software level it handles everything," continues





Martial. "It's an incredible software as I need never enter such parameters as height, length or thickness. You just position the glass, the sensor reads and understands the necessary - then it simply goes." Today Aura is well-integrated into the Normanner production chain and has contributed to bringing superior quality to products while also responding to the most particular needs of their customers. As Tony Binard underscores: "It was easy for us to quickly orient ourselves towards CMS after it gave us a technical solution in line with what we needed."

CMS GLASS TECHNOLOGY

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