

ADELIO LATTUADA and Knittel Glass offer new robotic line at Vitrum 2021

Lattuada will be at Vitrum with Knittel Glass with robotic solutions for any type of need and application related to the glass industry (CNCs, double-edgers, cutting, tempering or IG lines, etc.). As for the edging area, many different configurations can be offered.



VITRUM 2021

At Lattuada's booth at Vitrum 2021, visitors will have the chance to see a robotic line consisting of two 13-wheels edgers, an in-line vertical washing machine and a robot.

The advantages of Lattuada-Knittel solutions are many:

- The quickest solutions available on the market; the following are real examples from customers:

- 44 pieces/hour (1000 x 2000 mm)

- 375 m/hour (1000 x 2000 mm) including dubbed corners

- speed up to 5 m/min

- The most sold and installed (more than 150 projects already installed by Knittel).

- The widest experience in this field (since 2000 Knittel has been supplying robotic applications for the glass industry since 2000).

- Easy use and reduced maintenance. What happens if the line stops? Lattuada-

Knittel lines can, in most situations, continue from the point they have been stopped or resume and empty the line automatically.

- Integration with third party software and many different ways to receive or read glass dimensions to be processed.

THE A-WR AND I-AL PACKAGES FOR EDGING MACHINES

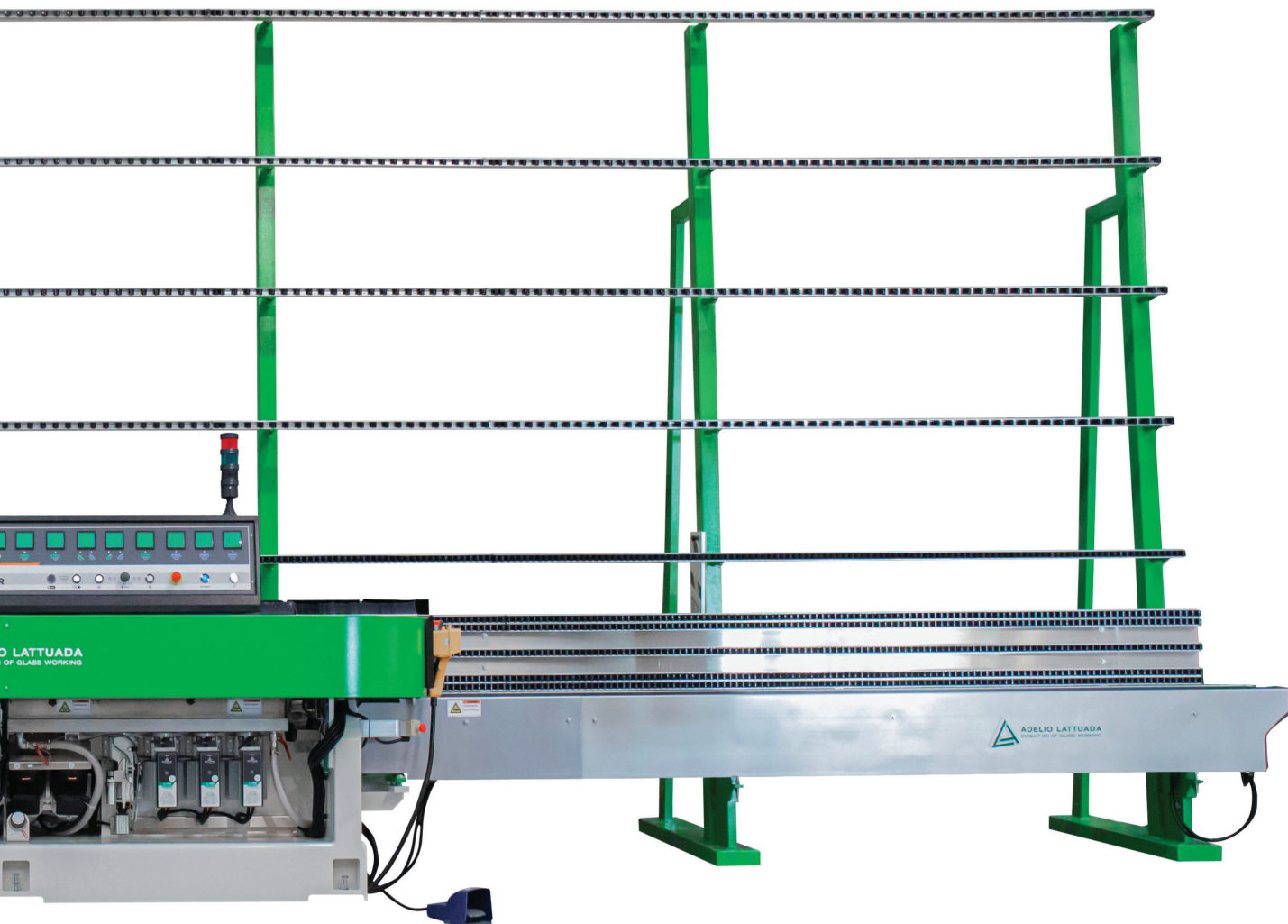
LRS (Lattuada Robotic Solution) is part of Lattuada's cyberAL project, which in-

cludes also A-WR and i-AL packages to increase edging machines automation to the top level.

Both packages will be installed on the two edgers at the exhibition.

The exclusive A-WR System introduces a completely automatic wheels setting management, which includes:

- Automatic pre-setting "ZERO" procedure of diamond and resin wheels, without glass in less than one minute.





- Automatic recovery of polishing wheels wear.
- Automatic positioning for wheel replacement.
- Jog increase/decrease of the spindle position (accuracy 0.01 mm).
- Automatic positioning on setpoint.
- Automatic backlash recovery.
- Automatic spindle cleaning procedure.
- Wheel wear warning.
- Spindle problem warning.
- Manual unlocking for any situation.
- Motorized adjustable inlet conveyor.

- Digital ammeters and automatic alert system for polishing wheel wear.
 - Automatic detecting and compensating procedure of the inlet conveyor belt wear.
- Advantages of the Lattuada A-WR system:
- Wheel setting in less than 1 minute, instead of an average 20/30 minutes for manual setting.
 - Homogeneous wheel setting regardless of the work shift and the operator using the machine.
 - Extremely simple to use, no sample glass needed.
 - Homogeneous wheel wear and consistent

processing quality.

- Increased spindle cleaning thanks to the automatic cleaning function.
- Reduced exit conveyor belt wear or damaging due to incorrect wheel "zero" setting.
- Early warning regarding potential maintenance issues.
- More quality, more productivity, less maintenance, fewer errors... more marginality.

I-AL

i-AL is a comprehensive pack of mechanical, electronic and software systems especially designed to deliver the maximum possible automation in glass processing and complete integration with entire production systems.

The i-AL pack includes:

- Digital ammeters displayed on the touch-screen panel.
- Motorized glass removal setting with portable push-button panel.
- Automatic management

of wheel pressure, glass removal and speed according to the thickness.

- Proportional valves for pressure regulation of the polishing spindles.
- Glass length measurement.
- Remote assistance.

The main advantages of i-AL are:

- Reduced machine set-up time.
- Constant quality and productivity throughout the shift or day, regardless of operator skills.
- Early warning regarding potential maintenance stops.
- Remote management.
- More quality, more productivity, less maintenance, fewer errors... more marginality.

Lattuada's machines are mainly characterised by great technological flexibility, ease of use and limited maintenance required. The functional planning and manufacturing standards used avoid long and expensive machine stops. After-sales technical assistance by a qualified staff of technicians both from our and associated companies is guaranteed.



ADELIO LATTUADA



Via Abbondanza 11/13
22070 Carbonate (CO) - Italy
Tel.: +39-0331-832713
Fax: +39-0331-833886
E-mail: info@adeliolattuada.com
www.adeliolattuada.com