
Digital event



**“THE WAY
TO PRODUCTIVITY GOES
THROUGH AUTOMATION”**

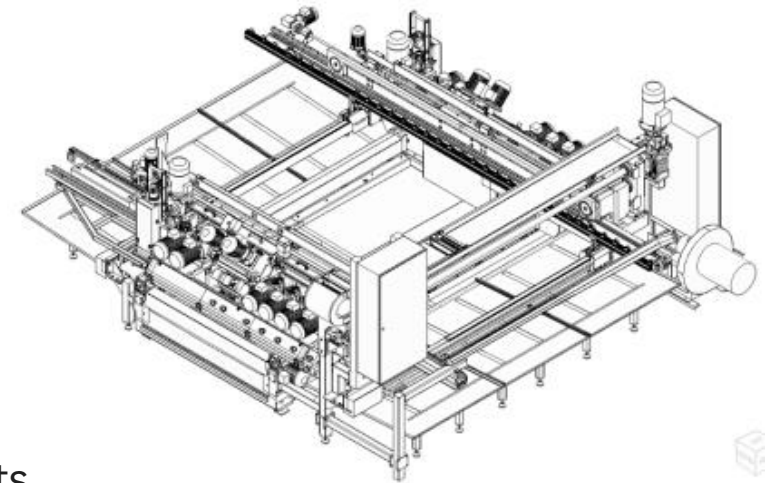
SCHIATTI ANGELO

TRADITION | EXPERIENCE | INNOVATION

Why the new **DOUBLE EDGING MACHINE For the FLAT EDGE BFP 35**

When the market calls, Schiatti answers !

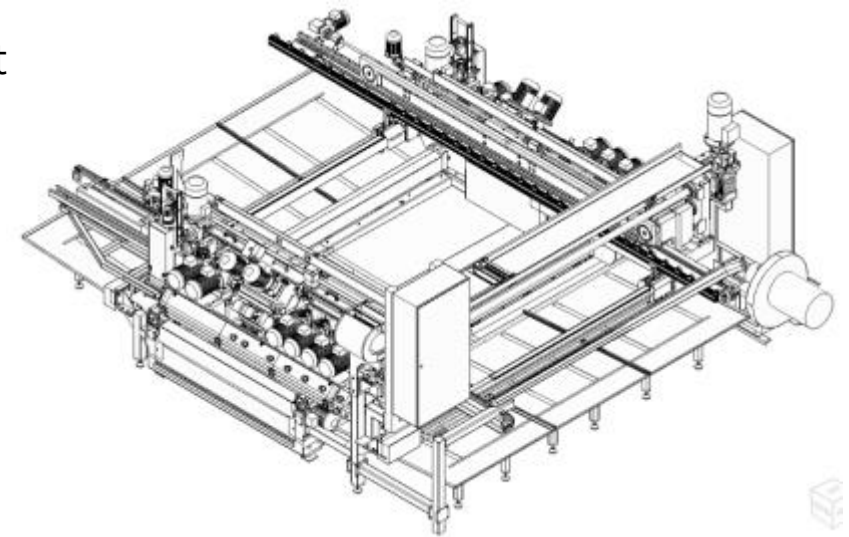
- Hi-automation products
- Reduction of human capital
- Ease operation, management and maintenance
- Data processing and exchange with other production plants
- Remote assistance



Which are the distinctive features of the new **DOUBLE EDGING MACHINE FOR the FLAT EDGE mod. BFP35**

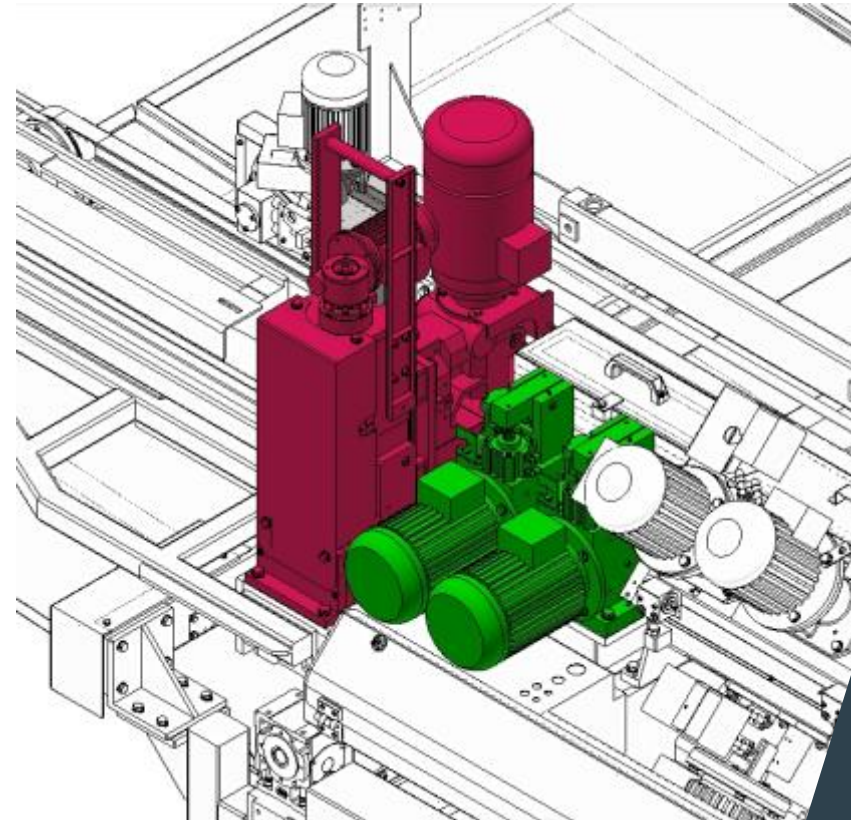
- **Flexibility** understood as the ability to adapt a product all Made in Italy to the specific customer needs
- **Modern Technology of fully automatic spindles** mixed with the asset of the Schiatti flat edge double edging machines

(This new technology was tested with success and satisfaction on the automatic vertical grinding lines)



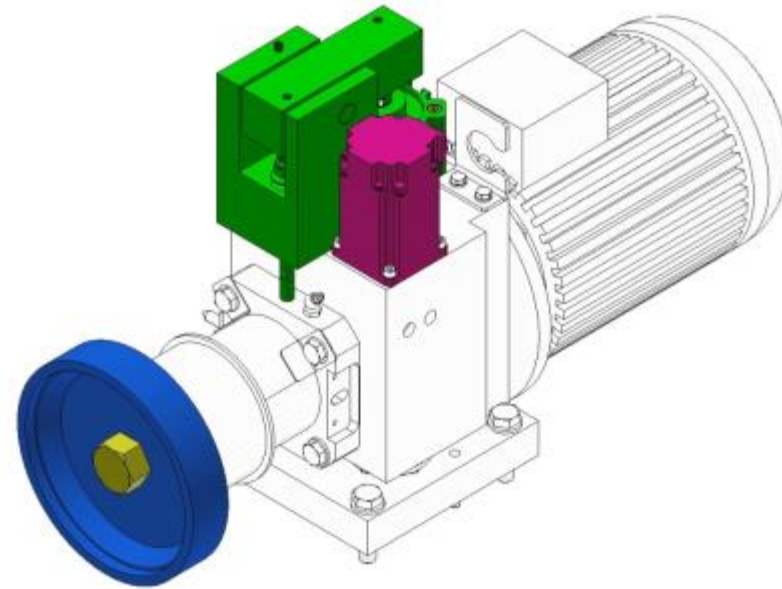
Fully Automatic DIAMOND SPINDLES

- The horizontal movement of the diamond wheels is now motorized with brushless motors, while previously was manual
- The brushless motors are very compact and extremely precise in the displacements
- The motorized movement of the diamond wheel is displayed and controlled on the touch screen



Fully automatic DIAMOND SPINDLES

- The **adjustment** on the glass removal is no longer carried spindle by spindle, but from the **touch screen** at the entrance of the line
- The **control panel displays**, in an intuitive way, all the diamond spindles of each machine
- The operator **manages** up to **20 diamond spindles** by himself and how much each spindle should remove



SOFTWARE for the automatic management of the tool wear out

- When the line is started, the machine asks the operator to perform the **Homing** of the diamond wheels
- All the diamond wheels go ahead till to reach the reference point: a **mechanical stop**
- Once the wheels reach the working position the motors are stopped



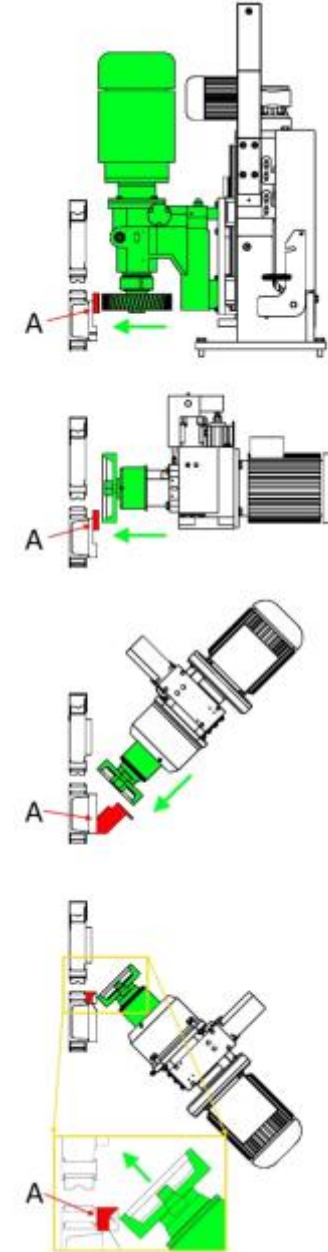
SOFTWARE for the automatic management of the tool wear out

- The PLC has memorized the position of the wheels during the last Homing and knows the new position
- The difference between the two positions gives the tool wear out
- Once the quantity of worn out tool, compared to the day before, is defined, the PLC brings the wheels to the right position for starting the processing



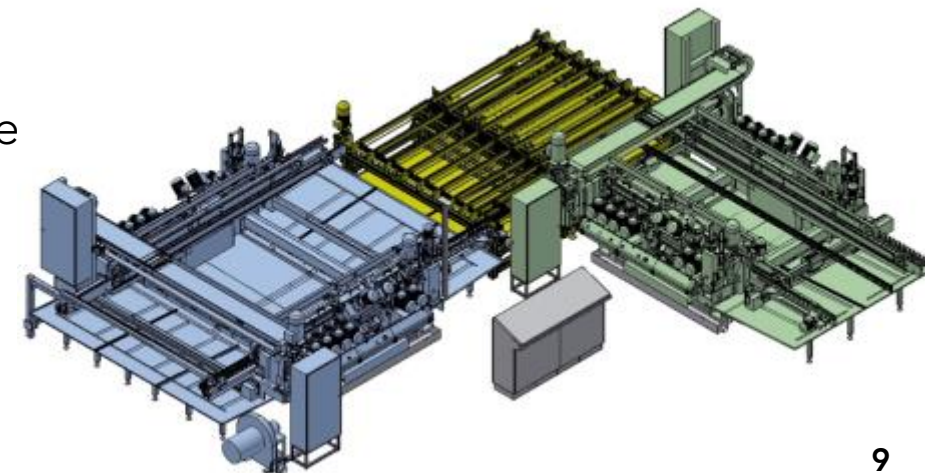
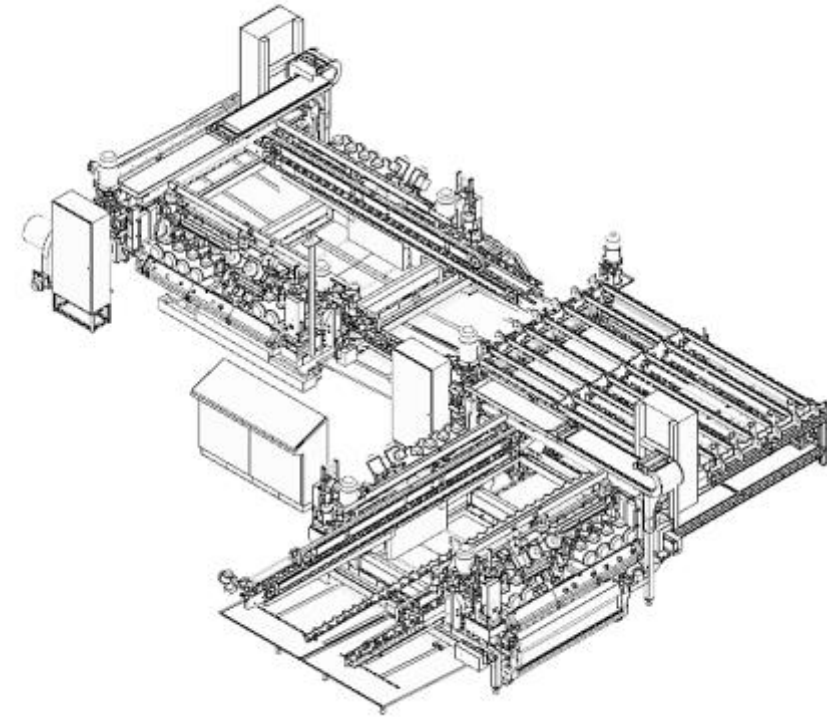
PRODUCTIVITY vs AUTOMATION

- “0” Machine setting time
- Uniform processing on the glass-sheet
- **Flexible**, simple and intuitive software to process identical glass sheets and with different sizes
- Software suggests to the operator the best time to introduce the sheet without it colliding with the previous one
- **Optimization of working times** and consequent increase in productivity even for pieces of different sizes
- The operator works in **extremely safe** conditions (there is no longer the risk of introducing the glass sheet in advance and making it collide with another one)



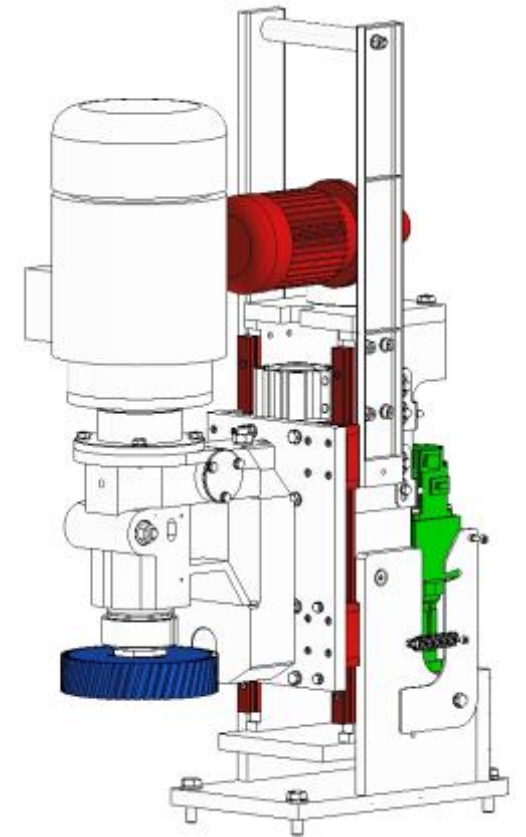
OPTIONAL an added value

- **Barcode** available both with a gun for manual reading and to be applied on the loader arm for greater automation of production
 - The PLC read the code by the bar-code reader, located on the rotating arm of the loader
 - After having detected the code, the PLC sends the information about the glass (height, width and thickness) to the double edgers
 - The line is automatically prepared for the processing



OPTIONAL an added value

- Automatic glass unloader
- Glass edge and surface groovers
- The hogging spindle mounts a very aggressive diamond wheel that, swinging from bottom to top, wears out uniformly over its entire thickness, thus increasing its lasting





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