

DIAMUT's ongoing mission to put performance and productivity first



A brand leader in the design, production and sale of diamond tools, DIAMUT recently developed its new line of peripheral grinding wheels with a diameter of 200 mm for single, vertical-grinding machines or integrated for laminated and monolithic glass.

Comprising its range of high-performance peripheral grinding wheels, Diamut's EVOX20 and CHEVRON20 peripheral grinding wheels guarantee reduced production start-up times, top machining speeds, optimum finishing quality, excellent performance, a long lifespan and perfect shaping of the edges.

EVOX20

For float glass (both segments and continuous rim) with a diameter of 200 mm, EVOX20 is available for all thicknesses, from 3 mm to 19 mm - in various diamond grains. It obtains both a rough edge finish and a high-quality finish for subsequent polishing and covers all needs, based



upon the final use of the finished glass.

CHEVRON20

CHEVRON20 is dedicated to the machining of laminated glass that's 33.2 to 1010.2 thick with a 200 mm diameter, both segments and continuous rim, with various grains for either a rough or a high-quality finish.

In the sector version, the wheels were made with a new geometry to facilitate cutting of the plastic film without tearing it. Its arrow shape ensures that wheel working is centred in respect to the glass, with the cutting tip against the glass.

PURSuing EXCELLENCE

Diamut has always been constantly engaged in re-

search and innovation. This has made it possible to improve waste cut types on continuous band wheels.

Thanks to the profile open at the ends -and so not closed as with the previous line- as well as greater width, this line of peripheral wheels guarantees a greater volume of the discharged part, thereby allowing a greater flow of the coolant liquid - which avoids overheating of the wheel and a rapid discharge of the removed material.

Indeed it's thanks to the optimization of cooling, type of binder and geometry of the sectors to avoid deformation of the grinding wheel in correspondence with the plastic layer that excellent results of deformation and wear

have been yielded. After 1600 metres of work a deformation of the threads of the profile has been highlighted - not of the wheel centre. Here, indeed, the CHEVRON grinding wheel processes laminated glass as if it were monolithic glass!

CUTTING-EDGE TECHNOLOGY

Diamut's assiduous commitment to research and innovation has led to the definition of a new 'cobalt free' binder, which is used on all products within the range. The company's



two lines, namely EVOX20 and CHEVRON20, are made using a latest generation binder - specifically designed for this type of application and tested during development in extremely competitive markets. This binder uses metal powders with a low environmental impact which are not harmful to health.

Here the use of 'cobalt free' powders guarantees

benefit to the operator during the entire production process of the tool - including the disposal of processing waste. This represents an important advantage for customers by allowing savings on waste disposal costs associated with the material processing.



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