



## Idea 3080 aQuaCut WATER-JET CUTTING SYSTEM

The BELLOLI company's new facility "Idea 3080 aQuacut" is one of the biggest of its kind within Switzerland. It guarantees fast, precise and clean cutting without modifying the chemical or physical properties of the material. Execution directly from 2D-CAD-Data. Cutting heads with 3 or 5 axes allow processing a huge variety of materials with maximum sizes of pieces to be handled being 8000mm x 3000mm and a maximum thickness of 200mm.

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|----------------------|--|
| - Metals             | steel, stainless steel, aluminium, copper, titan brass, alloys |
| - Stone and ceramic  | marble, granite, sinters, ceramics                             |
| - Synthetic material | industrial coatings, foamed materials, compounds, rubbers      |
| - Glass              | monolithic, multi-layered, blown, composite                    |
| - Others             | Wood, leather, etc.  |



Besides that, an arc welding station for thin parts of up to 3000mm x 15000mm has been established. The workshop infrastructure is being completed with both manually and hydraulically operated facilities guaranteeing the parts' correct positioning and fixing. The robot "KUKA" represents both a welding-kit and an anti-collision-system. All components of the station and their interaction is software-controlled. Thus the facility's perfect mode of operation is guaranteed.

