

TopSolid

Sheetmetal

To increase productivity, the task manager can work in collaborative mode.

To improve the quality of the parts when performing water jet cutting operations, additional technological parameters have been implemented.

Even more automation in 5-axis cutting operations to select the faces to be machined.

Better speed to use the normals of a part to be cut.



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1 – Task manager in collaborative mode

To increase productivity, the task manager is now accessible in multi-user mode. A user can manage the task manager of other users, by distributing, for example, the nestings to be produced.

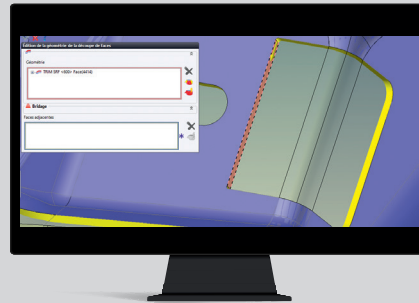
2 – Additional technological parameters

In order to increase the quality of the water jet cut parts, the speed range management has been integrated into the cutting parameters.

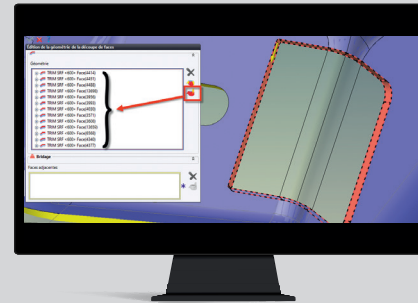
When using water jet cutting technology, managing the cutting speed is a very important factor to ensure a good cutting quality.

At each change of direction, you have to first manage a slowdown and then an acceleration.

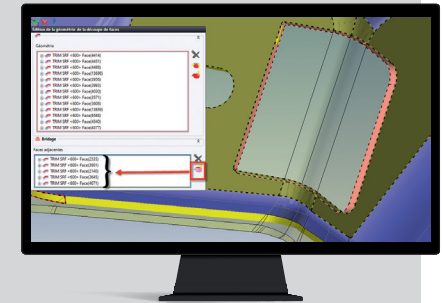
Selection of a contour face



The **Find all faces** icon allows you to select the remaining surfaces



The **Find all adjacent faces** icon allows you to select the remaining adjacent faces



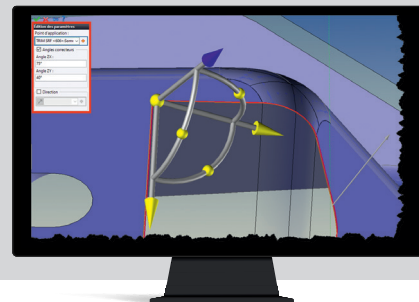
3 – Automatic face selection in 5-axis cutting operations

The selection tools have been improved in the **Faces Cutting** operation. There are now several automatic search modes to select the faces of the cut contour, as well as the adjacent faces.

Each orientation can be modified from the Normals tree.



The trihedron allows you to make quick changes and immediately view the tool vector (blue arrow)



4 – Simplification of the “Use normals” command in 5-axis technology

The new **Use normals** option has been added to the **Profiles Cutting (5 axis)** command and allows you to impose a specific orientation of the tool vector at different points on the tool path. It has many advantages over the classic **Normals Modification** command, including speed and ease of implementation thanks to the graphic handles on the trihedron.