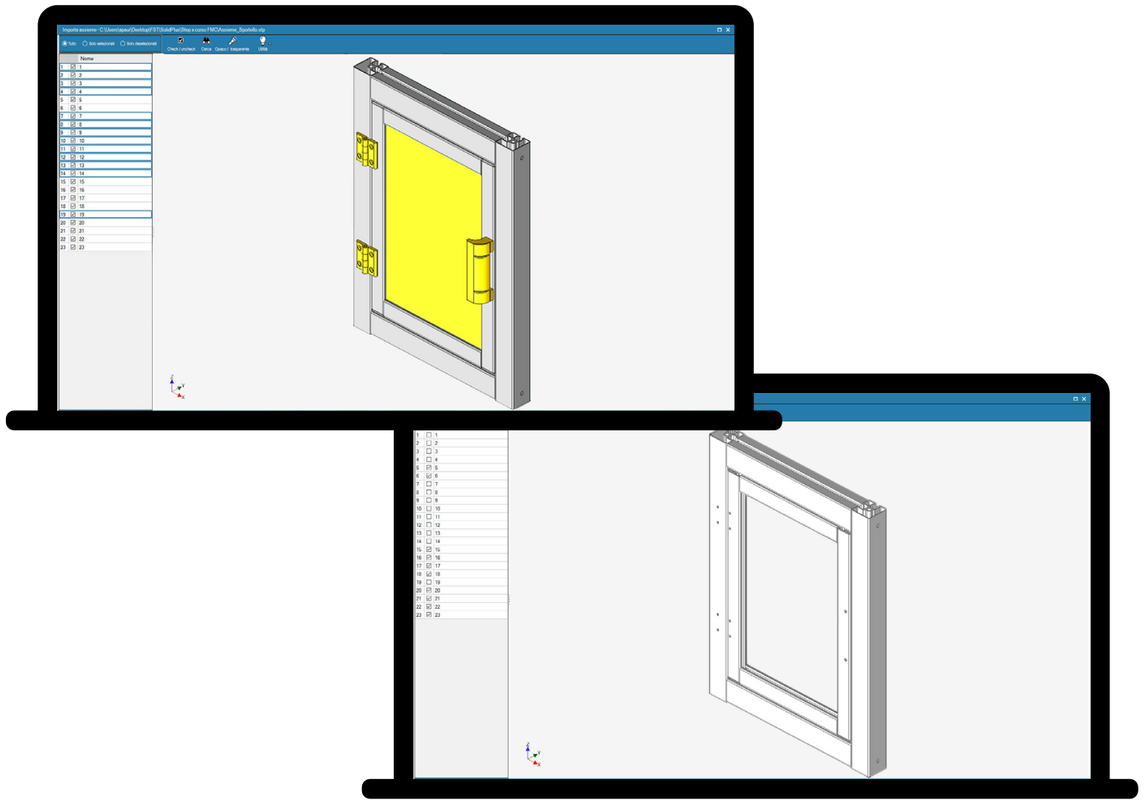
technical office

# Solid Plus

**The software to get from 3D drawing to production easily and quickly.**

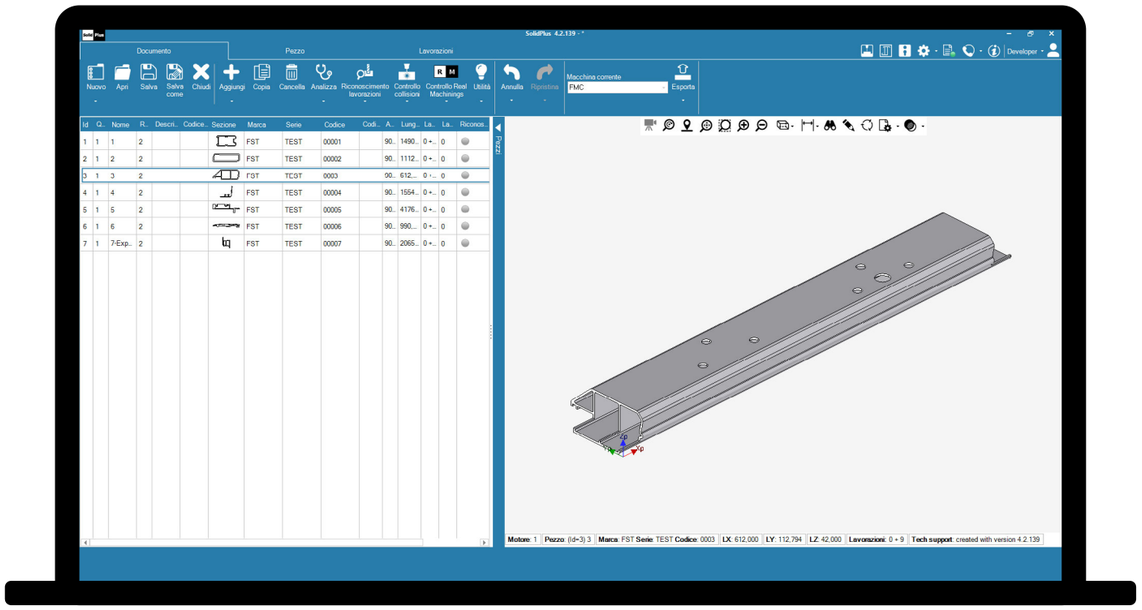
Solid Plus imports 3D drawings in STEP format, generated with 3D CAD software and creates the CAM program without requiring a dimensioned drawing. The software recognizes and processes all the piece data (profile section, length and cutting angles, maghinings), assigns the machining tools, and transfers the data to the CAM of the machine.

Solid Plus contributes to the standardization of the production process, and any changes to the CAM program are made starting from the 3D drawing, ensuring constant control by the technical office.



## Automation of data transfer from 3D technical drawing to the workshop

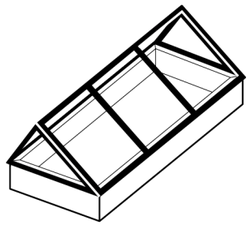
Solid Plus reads and imports data from 3D files in STEP format produced by 3D CAD software, such as SolidWorks, Autodesk Inventor, Catia, ProE, etc. A feature of Solid Plus is its agility in handling individual files, but also folders containing multiple files, or a set of parts (assembly). When importing an assembly, the software allows extracting and selecting all the elements that need to be processed, excluding other parts. Solid Plus recognizes the origin section of the profile and determines all the areas from which material has been removed, applying the corresponding CAM machining. If the machining strategy proposed by the software does not match the desired outcome, it is possible to manually intervene and set an alternative machining strategy.



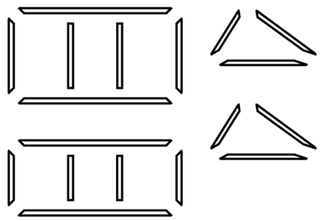
## Full integration with machines

Fully integrated with Fom production lines and machining centers, the data processed with Solid Plus is directly imported by the machines' CAM.

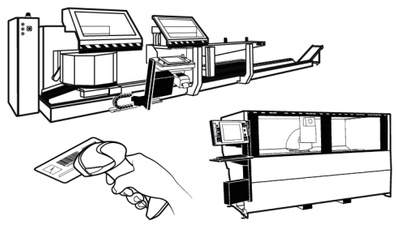
**3D drawing with cutting angles and machining**



**Profile recognition cutting lenght, machining**

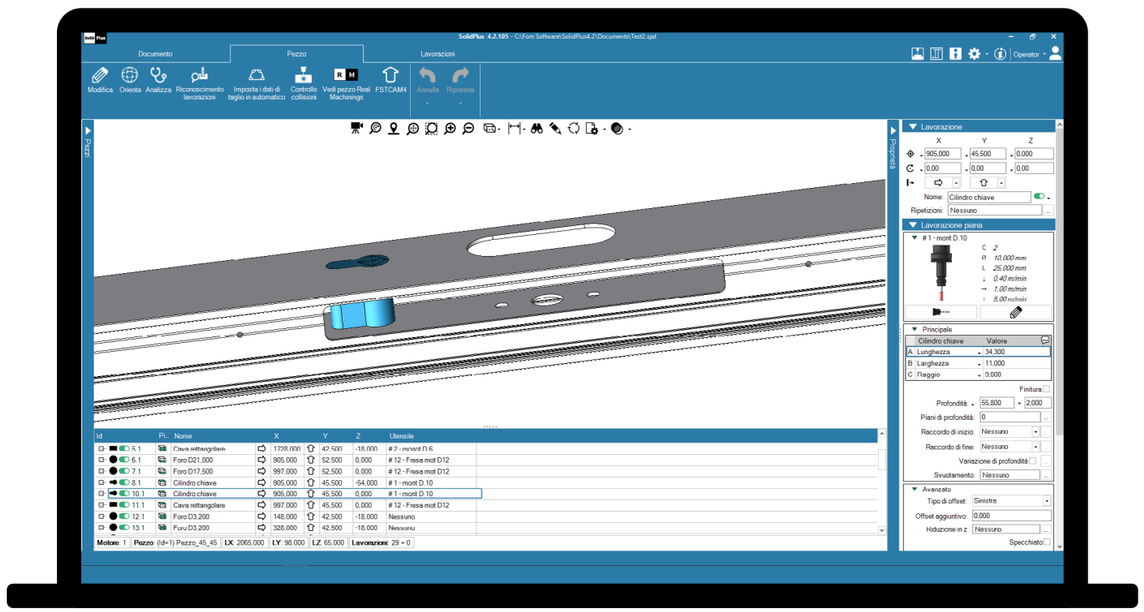


**Creation of cutting and machining lists and execution on a cutting machine and CNC**



## Macro management: automation of complex machining recognition

In the case of complex machining operations, where the proposed machining strategy does not meet our needs, it is possible to associate a pre-stored solution (macro) that the software will automatically apply when the same situation occurs again during the recognition of other pieces.




## Multi-machine management

Solid Plus is capable of simultaneously connecting to multiple machines, each with its own profile and tool library. This allows for increased productivity and flexibility, enabling the workload to be easily and quickly distributed among machines with different characteristics.

## Measurement probe management

A feature of Solid Plus is the management of the measurement probe, which facilitates the control of any discrepancies in the piece so as to correct any position of the machining on the extruded piece.

