



Press Release

New programming software for laser tube cutting machines

NC program ready in seconds // Tools to help design tube connections // Programming in 3D

Ditzingen, July 2, 2020 – TRUMPF has developed a new programming software for laser tube cutting machines called “Programming Tube”. The software executes many work steps automatically, so that for many finished parts, no additional programming effort is required. The intuitive way of working ensures that users get used to the system quickly.

3D design made simple

Programming Tube supports files in all common formats and enables the upload and construction of tubes and complete assemblies. When it comes to assemblies, the software programs bent connections at the touch of a button. These connections replace constructions that normally consist of several individual tubes. Connection and positioning aids between the tubes can also be implemented at the touch of a button. These aids help to simplify subsequent production steps, e.g. assembly or welding, prevent errors and save costs.

Generate NC programs automatically

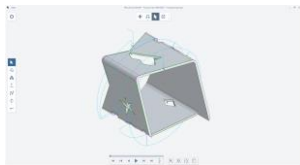
Programming Tube provides an extremely rapid method of programming tubes in 3D. Once the design process is complete, the software performs the programming process automatically. The software makes life easier for programmers by automatically determining how the laser tube cutting machine should eject parts and tap threads. Programming Tube creates the NC program from the thread parameters, including the necessary tools and the correct processing sequence. The way of working is intuitive. Instead of typing parameters into a dialogue field, they can now be adjusted directly on the 3D simulated part by simply using the mouse – which is less complicated. Users can also move the approach position of the laser with the help of the mouse.



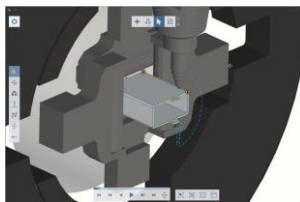
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Additional modifications can be incorporated in the 3D simulation of the machining process if necessary.

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The software does the programming automatically when the part is loaded.



Technology parameters and cutting paths can be adjusted directly in the 3D simulation, too.



Programming Tube automatically creates the NC program including the necessary tools and the correct machining sequence from the thread parameters.



About TRUMPF

The high-technology company TRUMPF offers production solutions in the machine tool and laser sectors. It is driving digital connectivity in manufacturing industry through consulting, platform and software offers. TRUMPF is the world technological and market leader for machine tools used in flexible sheet metal processing, and also for industrial lasers.

In 2018/19 the company – which has about 14,500 employees – achieved sales of 3.8 billion euros. With over 70 subsidiaries, the TRUMPF Group is represented in nearly all the countries of Europe, North and South America, and Asia. It has production facilities in Germany, France, Great Britain, Italy, Austria, Switzerland, Poland, the Czech Republic, the USA, Mexico, China and Japan.

For more information about TRUMPF go to www.trumpf.com



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