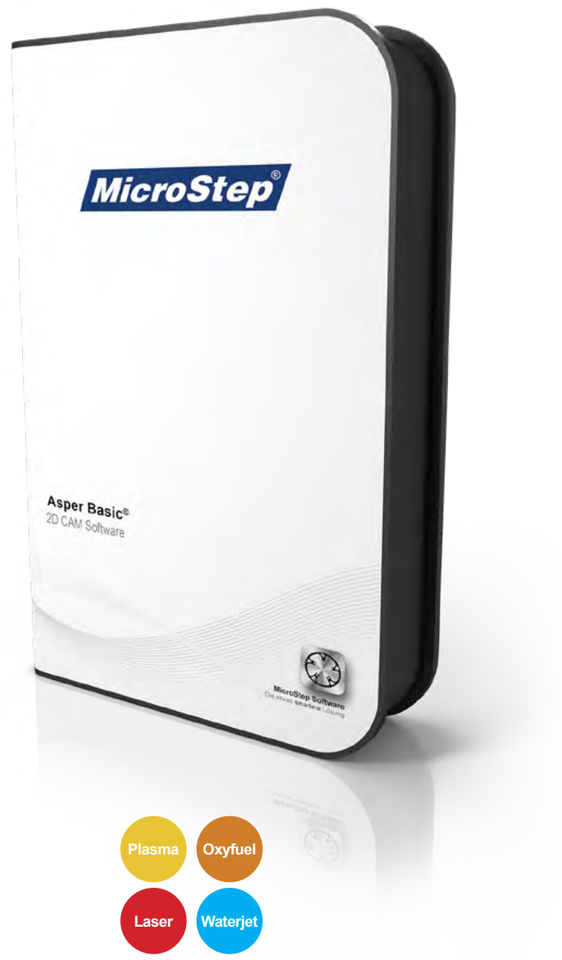
Asper®

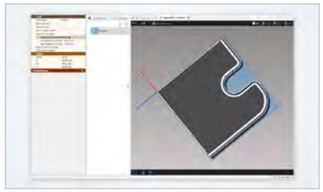
2D CAM software for intuitive and efficient manufacturing

MicroStep's 2D CAM software Asper® is the ideal tool for easy and fast creation of CNC programs for vari- ous cutting, marking and machining technologies. In its basic version, Asper® offers powerful straight cutting features that can be further extended by specialized modules for bevel cutting, pipe cutting, multi-torch cutting and more, and even customized for special requirements.

The **intuitive structure** and **smart features** make Asper® a modern and powerful tool for CNC programming.



Cutting process simulation

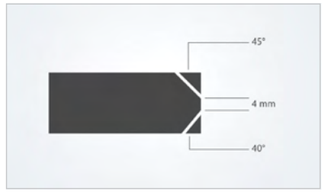


Asper® provides a powerful simulation for both straight and bevel cutting tasks. It verifies in advance whether the part shape can be cut with a particular machine, and also if a machine's movement is to be optimized for better process efficiency.

Additional beveling process (ABP)

For MicroStep machines with a laser scanner and ABP feature, Asper® allows to generate the tool movement for adding bevels to already straight-cut parts. The complete process (straight cutting and subsequent beveling) takes place on the same machine – this saves space in production and significantly reduces the time for part handling.

Easy programming of bevel cuts



With just a few simple steps, you can add **weld seam preparations** to your cutting plans. Just choose the bevel type, angle, and land height.

Multi-technology work processes

Asper® is designed to take full advantage of all technologies on your MicroStep machine. For example, multiple technologies can be used within a single cutting program.

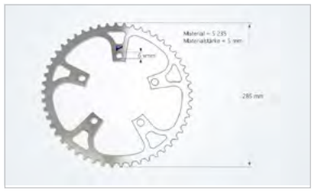
HeatControl® for lower thermal impact

To avoid local overheating of the plate during cutting, the HeatControl® functionality ensures dynamic distribution of the cutting path over the entire plate. This minimizes local heat deformation and protects consumables.

SpeedControl® for higher precision of corners, arcs, and holes

The SpeedControl® functionality regulates the cutting speed on all MicroStep machines to optimize the cutting quality in tight corners and arcs.

Easy & fast creation of CNC programs



To allow you to fully concentrate on your products, our innovative software solutions help you to intuitively translate drawings and cutting plans into finished components.

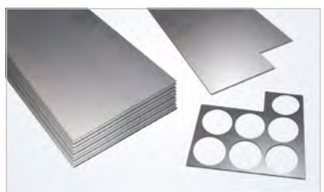
Import all common CAD formats

With Asper®, you can load your parts in various formats (DXF, ESSI, CNC, DC2, IGES...) from the Machine Manager app, from a network location or a USB drive and quickly convert them into a CNC program.

Numerous macro libraries

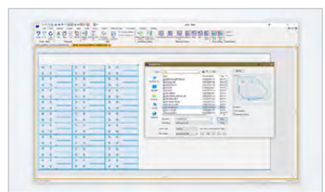
Choose from a large selection of standardized parts and adapt them to your requirements with just a few clicks, saving time on recurring parts.

Management of plates and remnants



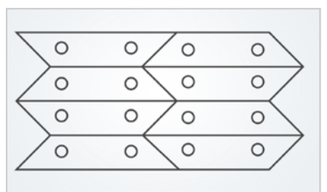
Make the most of your plates by generating the rest plate shapes in Asper®, including the residual material, and using it later for nesting and cutting.

Semi-automatic nesting



The convenient semi-automatic nesting function in Asper® Basic places parts on a plate in different directions within rectangular shapes. For fully automatic nesting, the optional module Asper® Nesting is the optimal choice.

Common-cut contours



If desired, the parts can be nested in a way that allows some of their contours to be cut at once, minimizing the number of lead-ins and lead-outs. This has a positive influence on consumable life, saves cutting time and material.