MicroStep®

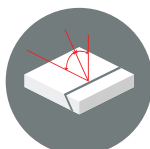## Your Partner for Cutting and Automation

Imperative for your fabrication.

Complex CNC cutting machines for sheets, pipes, profiles and domes.
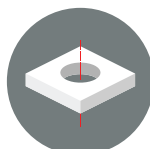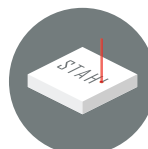Cutting with plasma, laser, oxyfuel and waterjet.

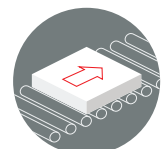| 2D cutting | Bevel cutting | Pipe & Profile cutting | Dome cutting | Drilling Tapping Countersinking | Marking | Scanning | Material handling |

A machine for every task.

MicroStep as a cutting and automation specialist has been continuously addressing versatile processing options for a wide range of materials. Our machines have it all. Great dynamics, state of the art high-end systems designed for high speed cutting and positioning, premium-quality fit and finish and components that ensure long-lasting stable 3-shift operations.

Our modular concept is designed with separate cutting zones for sheets, pipes/profiles and domes that are all accessible with a variety of tool stations mounted on a single gantry. This allows our customers to carry out cutting operations on a multitude of different shaped materials.

MG Multi-functional CNC cutting machine

DRM CNC sheet & dome cutting machine

MasterCut CNC plasma & oxyfuel cutting machine

MasterCut Compact CNC plasma & oxyfuel cutting machine

ProfileCut CNC pipe, profile & sheet cutting machine

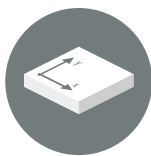**CPCut/ PipeCut** CNC pipe & profile cutting machine
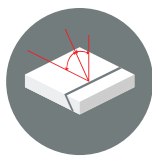
MSF CNC fiber laser cutting machine

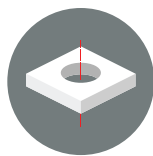**AquaCut** CNC waterjet cutting machine
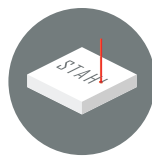
2D cutting

Bevel cutting
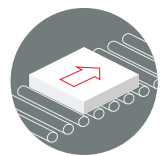
Pipe & Profile cutting

Dome cutting

Drilling Tapping Countersinking

Marking

Scanning

Material handling

Multi-functionality.
A wide range of accessories.

MicroStep machines provide unique features such as ACTG® (auto-calibration of bevel tool geometry), ABP (additional bevelling process), ABC (adaptive bevel compensation), STHC (smart torch height control) and optimized drilling applications with automatic tool exchange and automatic measurement of drill tools. A wide range of subsequent operations can be performed automatically within a single cutting plan.

Plasma

Rotator

ACTG

ABP

Oxyfuel

Drilling & tapping head

Pipe & profile cutting

Inkjet

MicroPunch

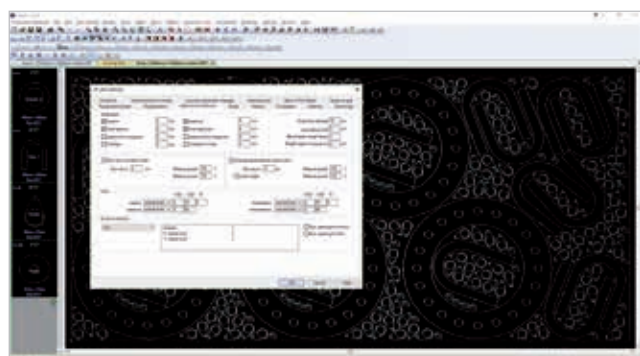Laser marker

3D rotator 120°

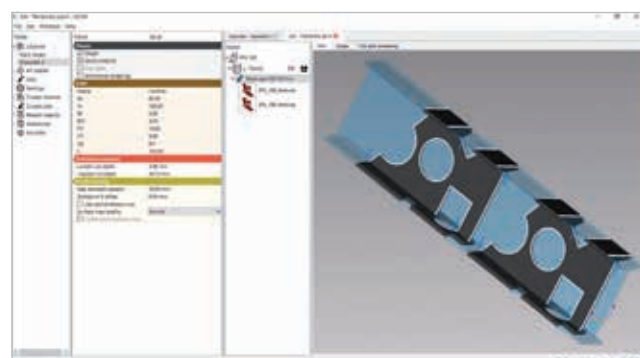3D scanner

CCD camera

Oxy tripple torch

Automatic plate alignment
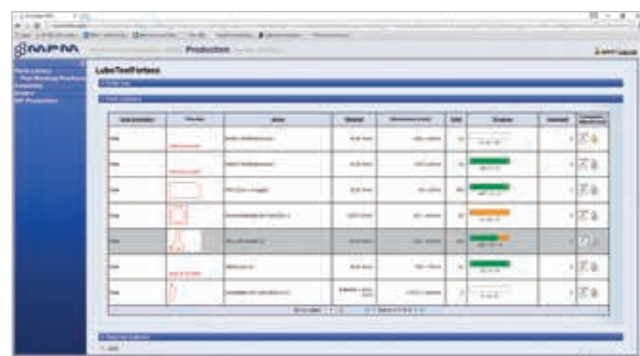
CAM and CAPP software developed in-house.

AsperWin

AsperWin® CAM provides tools for easy and fast creation of NC programs for different cutting technologies. The basic version can be extended with modules for various cutting applications such as bevel cutting, pipe cutting, multi-torch cutting, drilling or tapping.

mCAM

3D CAM software mCAM is a tool for automated creation of cutting plans for 3D structures from planar and 3D shapes commonly used in steel constructions – circular pipes, rectangular or IPE profiles, sphere segments or domes – from the imported 3D solid models STEP or IGES. Along with its independent version, mCAM can also be integrated with MPM system and/or directly interfaced with onsite ERP systems.

MPM

MicroStep Production Management (MPM) provides computer-aided process planning (CAPP) features for automation of the workflow on CNC machine(s) or production lines. It is an integrated system of order processing, nesting, stock management and machine operation planning that interconnects pre-production data, control systems of CNC machines and the automatic nesting software AsperWin®.