

# MSLoad / MSTower / MSSort

## Solutions for automated material handling



**MSLoad** is a modular system for automatic loading of workpieces and unloading of cut parts for MicroStep laser and plasma cutting machines that brings production automation up another level. Combined with optional storage and part sorting systems, material handling solutions can be as simple or comprehensive as desired.

**MSTower** is an in-house developed supplement to MSLoad, providing buffer storage close at hand for raw material and cut material alike.

Unloading a cut plate from the machine is not the end of the task. To separate cut parts from waste material and sort them according to a customer-defined sorting plan, MicroStep offers **MSSort** with a customized set of clamping heads, tailored to each part type and stored in a magazine for automatic exchange according to the sorting plan.



**MSLoad:**  
Flexible material handling



The variable and modular structure of the whole material handling system allows it to fit any requirements and environment. Loading and unloading can take place on the same or opposite sides, even on both sides at once.

**MSTower:**  
Customized storage solution



Standard MSTower comes in sizes from 3 x 1.5 m to 6 x 2 m and accommodates up to 10 loading pallets. However, MicroStep's offer does not end there. We offer custom solutions in terms of pallet size and number, as well as integration with supplementary technology.

**MSSort:**  
Sorting tailored for your needs



MicroStep's integrated CAM software pack allows to generate sorting plans along with cutting plans with ease. The rotary sorting tool station features automatic exchange of clamping tools that are designed for various shapes and sizes of parts.

**Safety**



Safety is paramount in material handling. The loading system is secured by lockable fences and optical barriers that stop all movement when entry into the work area is detected.

**Ever higher efficiency with automatic nozzle changer**



Automation and productivity are the industrial buzzwords. To bring them ever closer to reality, MicroStep's laser systems can be equipped with an automatic nozzle exchange system that further reduces the need for staff labour and makes the machine's operation even faster and more precise.