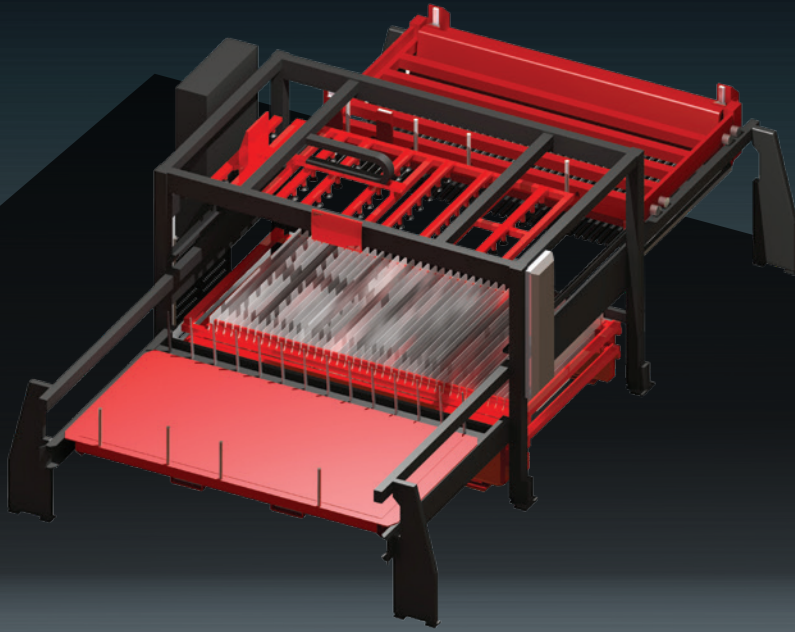


# SOLUTION

LASER CUTTING



## MP FLEX*it*



FLEXIBLE AND EFFICIENT SHEET HANDLING SOLUTION



DATA SHEET

# MP FLEXit

## FLEXIBLE AND EFFICIENT SHEET HANDLING SOLUTION

VENTIS | ENSIS | LCG | LCG AJ

MP Flexit is a flexible and cost-effective solution for the automatic loading and unloading of sheets to and from AMADA FO-type lasers. In combination with the FO-laser MP Flexit creates an efficient production cell optimising the utilisation of the FO-laser thanks to the short job exchange time.

### FLEXIBLE

Efficiently takes care of medium batch sizes as well as rush jobs and single sheets

- Handling of thin, medium and thick sheet range
- Can easily be retrofitted to an existing LST (Laser Shuttle Table) if needed
- Possible to extend the production cell with, for example, a storage system for a complete automated, intralogistic solution
- Suction cups allow loading of different material types

including steel, aluminium etc.

### COMPACT & COST-EFFECTIVE

- Entry-level model with a compact and modular design, the complete footprint together with the FO-laser requires minimal floor space
- Increased productivity by unmanned loading and unloading of sheets
- Maximising the utilisation of the laser allowing loading and unloading while processing the sheet

### SAFE & ERGONOMIC

- Safe and ergonomic to use, no manual lifting is needed in the material handling process
- Easy access for loading/unloading of material
- Easy to install and maintain thanks to the simple design

### TECHNICAL SPECIFICATIONS

	MP FLEXit 3015 (including LST <sup>2</sup> )
Number of cutting pallets	2 pallets <sup>1)</sup>
Sheet size <sup>4)</sup>	max. 3 050 x 1 525 mm min. 2 000 x 1 000 mm
Sheet thickness <sup>4)</sup>	0.8-25.0 mm
Maximum material mass	920 kg
Pallet exchange time (idle time for machine)	> 12 mm, 35 s < 12 mm, 35 s
Cell control	AMNC - Scheduler
Cycle time (time to prepare next sheet)	69 s
Type of fork unload	Single fork unload with roller chains
Raw material stack height	1 x 400 mm <sup>3)</sup>
Unloading stack height	1 x 300 mm <sup>3)</sup>
Minimum part size	180 x 180 mm
Machine Total Height	2650 mm (+ 1000 mm for installation)

1) 3 pallets when 2nd output station included as option 2) Please note that LST refers to LKI LST 3) If maximum weight limit not exceeded 4) Can be limited by machine specifications

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