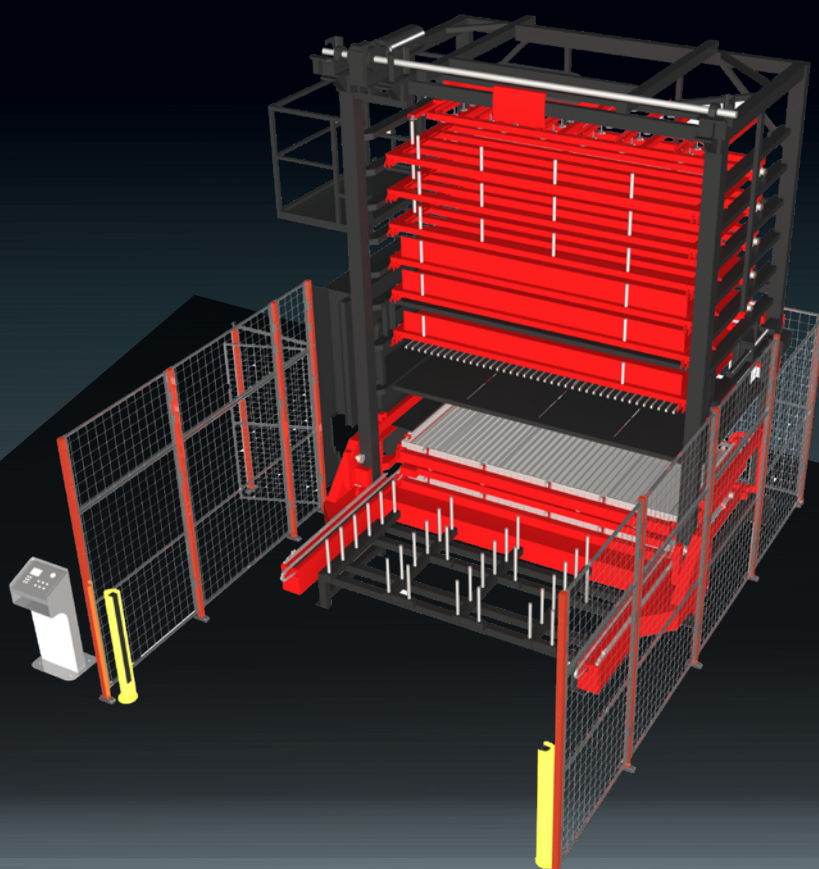


SOLUTION

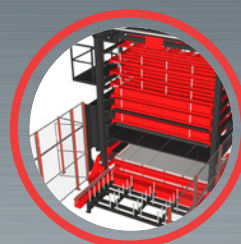
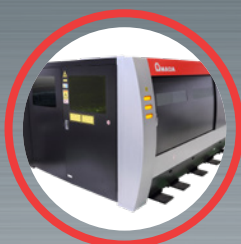
LASER CUTTING



AS LUL



AUTOMATIC STORAGE WITH LOAD AND UNLOAD FUNCTIONS



DATA SHEET

AUTOMATIC STORAGE WITH LOAD AND UNLOAD FUNCTIONS

VENTIS | ENSIS | LCG | LCG AJ

COMPACT AND ERGONOMIC

The AS LUL machine takes care of automatic loading and unloading of sheets to the AMADA laser, and stores raw material and microjointed sheets.

The machine has a very compact design and the complete installation with the laser takes up very little floor space.

Suction cups allow loading of different material types including steel, aluminium, etc.

EXTENDED CAPACITIES

A raw material capacity of 3 000 kg on each of the material pallets allows long, uninterrupted production runs.

The amount of different pallet types can be adapted according to the customers needs.

The machine is also available in a version with twin towers for extended production capacity.

TECHNICAL SPECIFICATIONS

	AS LUL 3015	AS LUL 3015 Twin	AS LUL 4020	AS LUL 4020 Twin
For AMADA models	VENTIS / ENSIS AJ / LCG AJ / LCG	VENTIS / ENSIS AJ / LCG AJ / LCG	ENSIS AJ / LCG AJ	ENSIS AJ / LCG AJ
Total number of pallets (including cutting pallets) – without cross-section pallets – with cross-section pallets	8 pcs. -	17 pcs 16 pcs	9 pcs -	20 pcs 18 pcs
Normal cutting pallets ¹⁾ Maximum material mass	2 pcs 710 kg (automatic mode) 920 kg (shuttle mode)		2 pcs. 800 kg (automatic mode) 1 560 kg (shuttle mode)	
Raw material pallets ²⁾ Maximum material mass Maximum stack height	2 / 3 pcs 3 000 kg 150 mm	1 – 10 pcs. 3 000 kg 150 mm	3 / 4 pcs. 3 000 kg 150 mm	1-15 pcs. 3 000 kg 150 mm
Unloading pallets ²⁾ Maximum material mass Maximum stack height	4 / 3 pcs. 3 000 kg 220 mm	1 – 10 pcs. 3 000 kg 220 mm	4 / 3 pcs. 3 000 kg 150 mm	1-15 pcs. 3 000 kg 150 mm
Cross-section pallets ²⁾ Maximum material mass	- -	0-7 pcs 710 kg (automatic mode) 920 kg (shuttle mode)	- -	0-9 pcs. 800 kg (automatic mode) 1 560 kg (shuttle mode)
Material dimensions max. min.	3 050 x 1 525 mm 2 000 x 1 000 mm (automatic mode)		4 070 x 2 050 mm 2 000 x 1 000 mm (automatic mode)	
Totally free cut minimum part size	150 x 50 mm (cross section pallet) 225 x 180 mm (normal cutting pallet)			
Sheet thickness ³⁾	0.8 – 20.0 mm (automatic mode) 0.8 – 25.0 mm (shuttle mode) (please refer to laser specification)		0.8 - 12.0 mm (automatic mode) 0.8 - 25.0 mm (shuttle mode) (please refer to laser specification)	
Typical time for ASLUL to prepare next sheet ⁴⁾	3 min 3 min 10 s LCG/LCG-AJ/ENSIS		4 min	
Machine maximum total height	5.4 m			
Input/output station with pin-table	Internal	External, left or right side	Internal	External, left or right side
2nd output station ^{1) 5)}	Option (no cross-section)		Option (no cross-section)	

1) Third cutting pallet is included with 2nd output station. 2) The total amount of pallets may not be exceeded. 3) If the maximum weight limit is not exceeded. 4) Minimum cutting time for continuous production. 5) If second station, no cross-section possible.

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