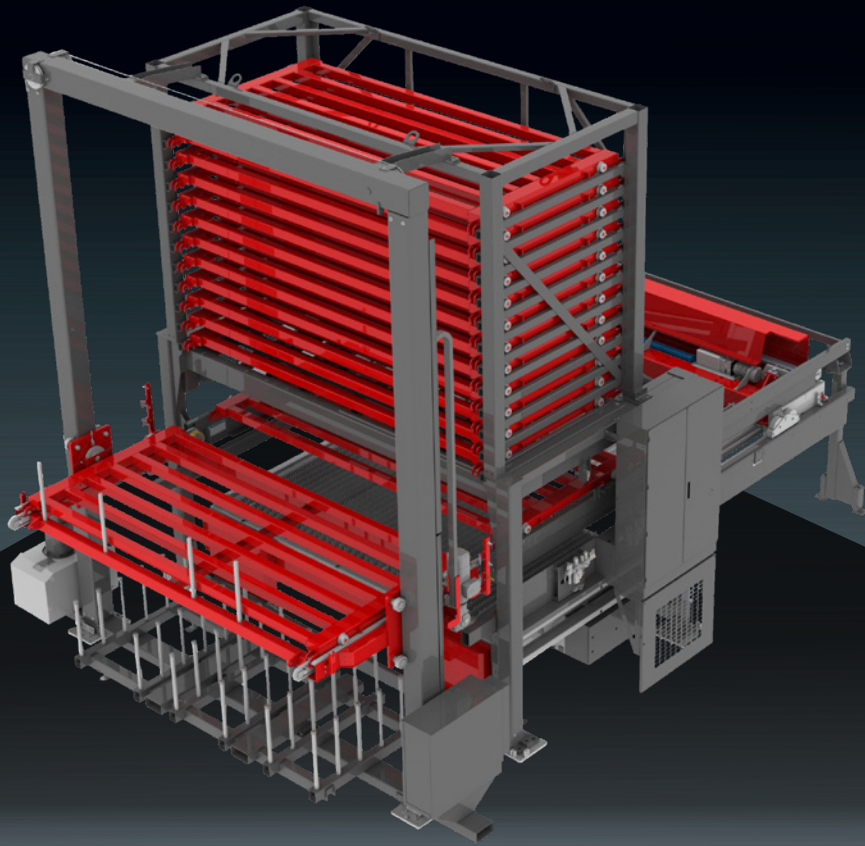


SOLUTION

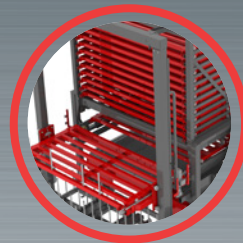
LASER CUTTING



ASF 3015 EU



ADVANCED STORAGE SYSTEM FOR FLYING OPTICS LASER CUTTING MACHINE



DATA SHEET

ASF 3015 EU

ADVANCED STORAGE SYSTEM FOR FLYING OPTICS LASER CUTTING MACHINE

VENTIS | ENSIS | LCG | LCG AJ

This automated storage solution takes care of automatic loading and unloading of sheets to and from AMADA 'Flying-Optics' lasers and stores both raw material and worked sheets.

The utilisation of the laser cutting machine is then optimised thanks to the smooth motion and short exchange time of the cutting pallet. Thus the complete solution is able to provide drastically increased productivity by unmanned operation.

ERGONOMIC

- Compact solution, takes up minimal space.
- Easy access for loading/unloading of material.
- Easy access for service maintenance work, no sensors or moving parts on the upper part of the tower.
- Low noise level.
- One tower size for several machine types (only LST models are then different).

COST-EFFECTIVE AND PRODUCTIVE

- Automatic loading/unloading of heavy sheets that are difficult, unsecure and inefficient to handle manually.
- High number of pallets shelves.
- Improved cycle and pallet exchange time.
- Flexible pallet configuration.

TECHNICAL SPECIFICATIONS

ASF-EU		Low		Standard		High	
		Tower 1	Tower 2	Tower 1	Tower 2	Tower 1	Tower 2
Maximum sheet size	mm	3050 x 1525					
Minimum sheet size	mm	1500 x 1000					
Sheet thickness *		0.8 – 25.0 mm (please refer to laser specification)					
Maximum sheet weight	kg	920					
Minimum part size without joint	mm	180 x 180					
Maximum load	kg/pallet	3000					
Stack height	Raw material	80 or 220					
	Product	220					
Number of pallets	Cutting pallet	2		2		2	
	Raw material	5	9	7	11	9	15
	Product	2	3	3	4	5	5
System height	m	4.5		5.2		6.5	
Cutting pallet exchange time	s	~ 32 ***					
Sheet loading cycle time**	s	~ 88 ***					
Minimum sheet cutting time (Stop Start)	s	~ 32 + 88***					
2nd output station ¹⁾		Optional					

* If the maximum sheet weight limit is not exceeded ** Minimum cutting time for continuous production *** Depends on machine type
1) Third cutting pallet is included with 2nd output station.

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