



SOLUTION

ASF II 3015 EU

ADVANCED STORAGE SYSTEM
FOR FLYING OPTICS LASER MACHINE



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VENTIS | ENSIS | REGIUS

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.
- Low noise level.

COST-EFFECTIVE AND PRODUCTIVE

- Automatic loading/unloading of heavy sheets that are difficult, unsecure and inefficient to handle manually.
- High number of pallet shelves.
- Improved cycle and pallet exchange time.
- Flexible pallet configuration.
- Single sheet processing (SSP).
- Unique pallet changer design.
- The single tower is 100% electric and power saving.

TECHNICAL SPECIFICATIONS

ASF II EU		Low ⁽⁵⁾		Standard		High ⁽⁵⁾	
		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 ⁽¹⁾	mm	0.8 – 25.0 (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 ⁽²⁾	5 (4 if SSP)	9	7 (6 if SSP)	11	9 (8 if SSP)	15
	Product	2	3	3	4	5	5
System height	mm	4500		5200		6400	
Cutting pallet exchange time	s	~ 32 ⁽⁴⁾					
Sheet loading cycle time ⁽³⁾	s	~ 88 ⁽⁴⁾					
Minimum sheet cutting time (Stop Start)	s	~ 32 + 88 ⁽⁴⁾					
Option		2nd output station / TK EU / Skid brush system					

¹⁾ If the maximum sheet weight limit is not exceeded ²⁾ If single sheet process is desired, one material pallet is occupied.

³⁾ Minimum cutting time for continuous production. ⁴⁾ Depends on machine type. ⁵⁾ Not standard – on request.



When using this product, appropriate hazard prevention measures must be used.

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