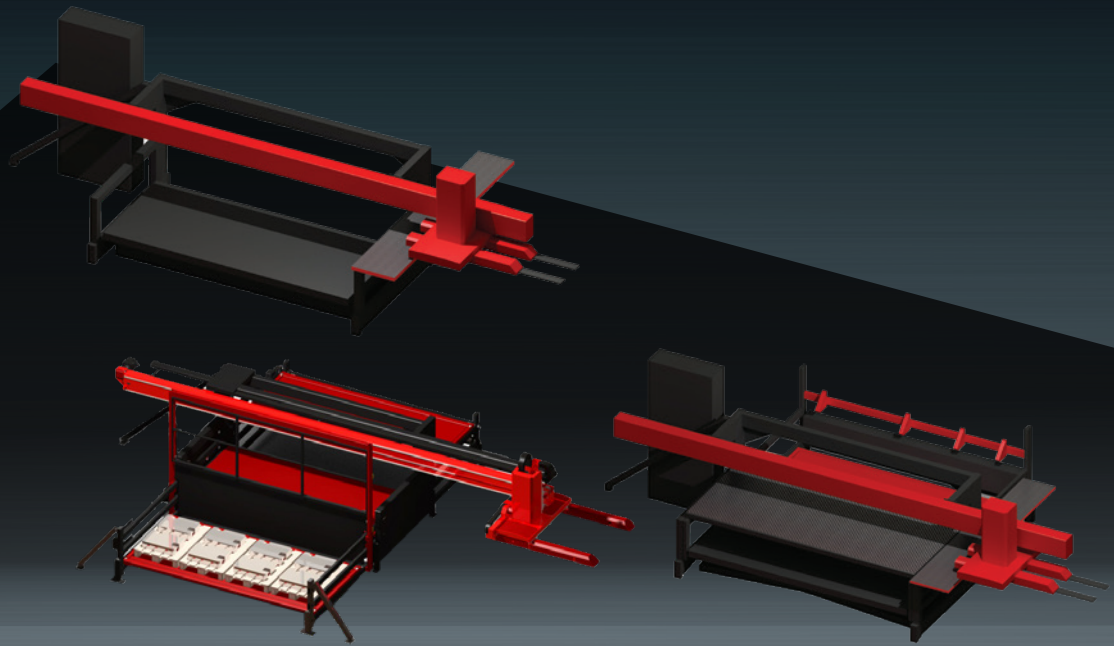


# SOLUTION

BLANKING



## PR III



REMOVAL, SORTING AND STACKING OF FINISHED PARTS & SKELETON SHEET



DATA SHEET

## REMOVAL, SORTING AND STACKING OF FINISHED PARTS & SKELETON SHEET

AE | EM MII | EM | EMZR B/T | EML | Alpha Laser

### VERSATILE PART REMOVER

The PR provides a solution for automatic collection and stacking of laser cut parts. Skeleton and micro-jointed sheet removal is included with the UL-version.

Easy off line programming is possible with the integration of AMADA software.

Smooth vacuum handling and a minimized part drop height allows the easy processing of surface sensitive materials.

Precise stacking of parts makes robotic bending or other automated handling possible in the next production process.

High positioning speeds with 3 servo axis and a close waiting position of the pick-up unit provides a minimum stop time for the processing cycle.

Parts with complex shapes can be handled because of individually controlled suction cups.

### TECHNICAL SPECIFICATIONS

		PR III 300 P	PR III 300 A	PR III UL 300 P	PR III UL 300 A
For AMADA model		AE-2610 EM-3610 EM MII-3612 EMZR B/T-3612	LC-2415 α5 EML-3610	AE-2610 EM-3610 EM MII-3612 EMZR B/T-3612	LC-2415 α5 EML-3610
Part size handled by suction cups <sup>1) 2)</sup>	max. min.	2 500 x 1 000 mm 150 x 100 mm			
Part size handled by unloading clamps <sup>2) 3)</sup>	max. min.	3 050 x 1 525 mm 1 600 x 300 mm *Regarding UL only*			
Sheet thickness (refer to NCT/laser spec.)		0.8 – 4.0 mm	0.8 – 6.0 mm	0.8 – 4.0 mm	0.8 – 6.0 mm
Part weight	max.	50 kg			
Stacking area on part table		3 400 x 1 400 mm			
Maximum stack height	– on part table – on scrap pallet	450 mm 350 mm for UL			
Load max.	– on part table – on scrap pallet	4 000 kg –		4 000 kg 2 000 kg	
Part drop height when stacking	min.	35 mm			
Pick-up unit max speed	X-axis Y-axis Z-axis	3 m/s 1.5 m/s 0.4 m/s			
Suction cups / suction cup plate	60 x 20 Ø 20 mm Ø 40 mm Ø 50 mm	4 pcs – 4 pcs 8 pcs	– 4 pcs 15 pcs –	4 pcs – 4 pcs 8 pcs	– 4 pcs 15 pcs –
NCT Interrupt time / typical part		3 – 5 s			

1) The parts must have an area for the suction cups. Holes and bending will reduce the area. 2) The maximum warping on machined sheets is 2 mm 3) Parts fully spread  
\* Non standard products.

Versions PR III UL 300/40, PR III 300 A/P - 2P - 2P+ - 3P and 3P+ are also available. Please contact us for more information.

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