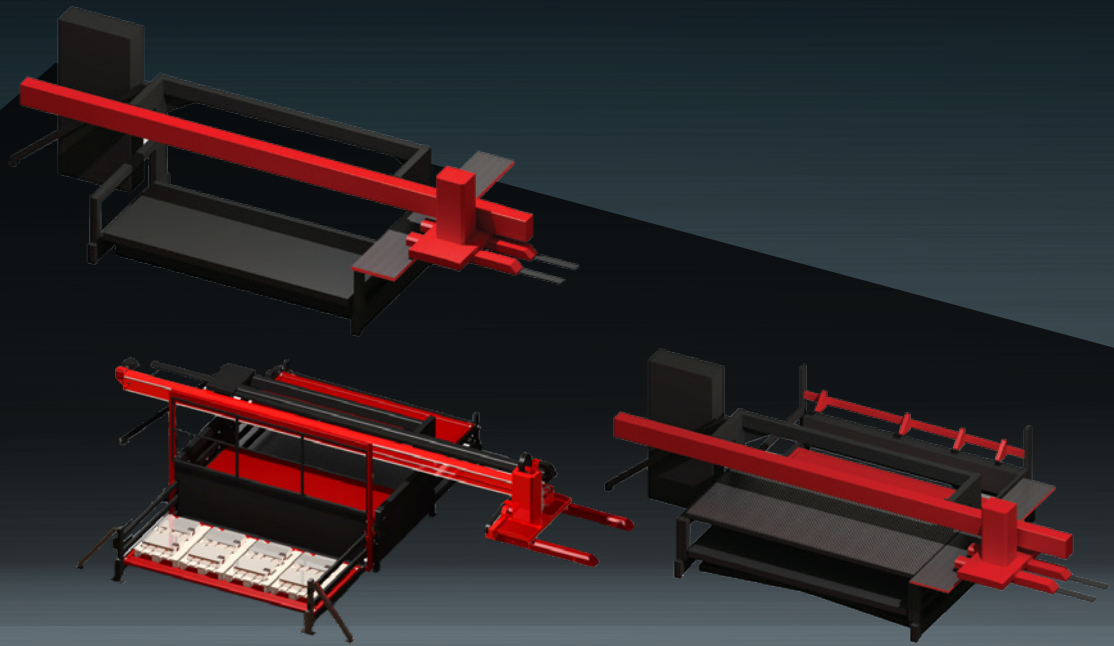


SOLUTION

BLANKING



PR III



REMOVAL, SORTING AND STACKING OF FINISHED PARTS & SKELETON SHEET



 **AMADA**[®]

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 250 P ⁴⁾	PR III UL 250 P ⁴⁾	PR III 250 L ⁴⁾ PR III UL 250 L ⁴⁾	PR III 300 P	PR III 300 A PR III 300 L	PR III UL 300 P	PR III UL 300 A PR III UL 300 L
For AMADA model	AE-2510 EM-2510 EM-3510	AE-2510 EM-2510 EM-3510 EM MII-3510 EMZR B/T-3510	EML-3510	AE-2610 EM-3610 EM MII-3612 EMZR B/T-3612	LC-2415 A5 EML-3610	AE-2610 EM-3610 EM MII-3612 EMZR B/T-3612	LC-2415 A5 EML-3610
Part size handled by suction cups ^{1) 2)}	max. min.	2 500 x 1 000mm 150 x 100mm					
Part size handled by unloading clamps ^{2) 3)}	max. min.	- -	2 500 x 1 250 mm 1 600 x 300 mm *Regarding UL only*	- -	3 050 x 1 525mm 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	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 -	450 mm 450 mm	450 mm 450 mm for UL			450 mm 450 mm	
Load max. – on part table – on scrap pallet	4 000 kg -	4 000 kg 2 000 kg		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	180 m/min 90 m/min 24 m/min					
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 -	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 10 mm 3) Parts fully spread 4) Not standard - on request

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

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