



SOLUTION

PR III

REMOVAL, SORTING AND STACKING OF
FINISHED PARTS & SKELETON SHEET



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AE | EM MII | EMZR B/T

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

			PRIII UL 300/40 P	PRIII UL	PRIII 3P+
For AMADA model			AE-2610 EM MII-3612 EMZR B/T-3612		
Part size handled by suction cups ^{1) 2)}	max. min.	mm	2 500 x 1 000 150 x 100		
Part size handled by unloading clamps ^{2) 3)}	max. min.	mm	4 070 x 1 525 1 600 x 300	3 050 x 1 525 1 600 x 300 *Regarding UL only*	
Sheet thickness (refer to NCT/laser spec.)		mm	0.8 – 4.0		
Part weight	max.	kg	50		
Stacking area on part table		mm	4 200 x 1 400	3 400 x 1 400	
Maximum stack height	– on part table – on scrap pallet	mm	330 100	450 350	210 -
Load max.	– on part table – on scrap pallet	kg	4 000 2 000	4 000 2 000	3000 (fully spread) -
Part drop height when stacking	min.	mm	35		
Pick-up unit max speed	X-axis Y-axis Z-axis	m/s	3 1.5 0.4		
Suction cups / suction cup plate	60 x 20 Ø 40 mm Ø 50 mm	pcs	4 4 8		
NCT Interrupt time / typical part		s	3 – 5		

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.

When using this product, appropriate personal protection equipment must be used.

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