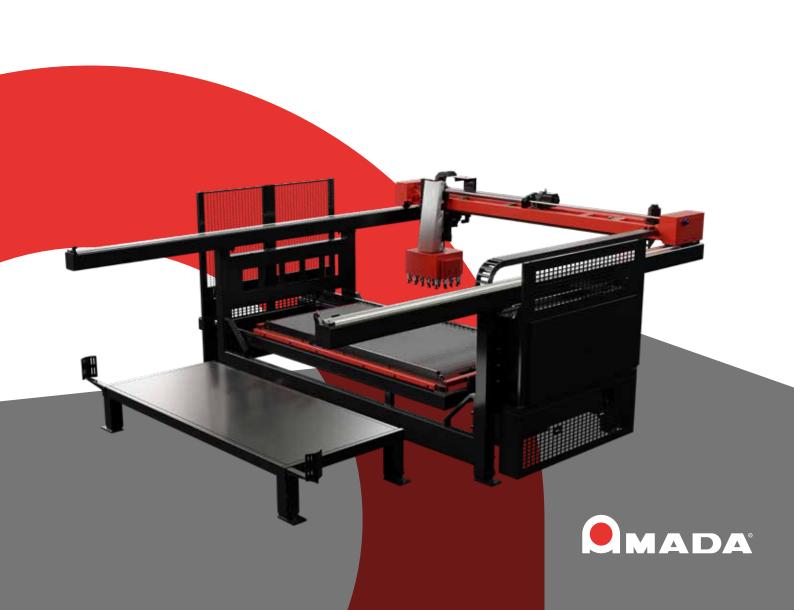
# SOLUTION

# TK 3015 EU

PART REMOVER FOR FIBRE LASER CUTTING MACHINES





# PART REMOVER FOR FIBRE LASER CUTTING MACHINES

REGIUS | VENTIS | ENSIS

### **PRECISION AND SPEED**

The TK 3015 EU provides a solution for automatic collection and stacking of parts.

Easy off line programming is possible with the integration of AMADA's Dr. ABE/VPSS3i Blank 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.

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

The system is controlled by FMS Controller.

### **TECHNICAL SPECIFICATIONS**

| TK 3015 EU                                      |                  |     |           |                                        | Remarks                               |
|-------------------------------------------------|------------------|-----|-----------|----------------------------------------|---------------------------------------|
| Stacking area                                   |                  | XxY | mm        | 3050 × 1525                            |                                       |
| Maximum Parts Weight                            |                  | kg  | 70        | e.g. 1500×1000×t6 -<br>1000×1000×t9    |                                       |
| Sheet Thickness *                               |                  |     | mm        | 1.0 - 9.0                              |                                       |
| Max. Part Size ' X x                            |                  | XxY | mm        | 1500 x 1200                            |                                       |
| Min. Part Size '<br>STD skid tooth 32 mm        | Thickness ≤1.6mm | XxY | mm        | 250 x 100                              | - In X direction ( angle 0 )          |
|                                                 | Thickness ≥1.7mm | XxY | mm        | 175 x 100                              |                                       |
| Option Min part size * in Y skid tooth 16 mm    | Thickness ≤1.6mm | XxY | mm        | 250 x 50                               |                                       |
|                                                 | Thickness ≥1.7mm | XxY | mm        | 175 x 50                               |                                       |
| Part Spacing                                    |                  | mm  | >10       | recommended                            |                                       |
| Stacking height (table at 540 mm) <sup>1)</sup> |                  |     | mm        | 450 <sup>2)</sup> or 350 <sup>3)</sup> |                                       |
| TK unit size (Arm close)                        |                  | mm  | 770 × 540 |                                        |                                       |
| TK unit size (Both sides arm open)              |                  |     | mm        | 1270 × 540                             | Both sides arm open 250mm<br>(=500mm) |
| TK unit size (One side arm open)                |                  |     | mm        | 1020 × 540                             | One side arm open 250mm               |
| TK cycle time                                   |                  |     | sec/part  | 10 -15                                 |                                       |
| Vacuum Pads                                     |                  |     |           | 43                                     | Ø30 x 29 - Ø50 x 14                   |
| Suction Pads Group Control                      |                  |     |           | Individual management                  |                                       |
| Confirmation of Suctioning Parts                |                  |     |           | vacuum switch                          | Conduction sensor                     |
| Programing software                             |                  |     |           | Dr.ABE_Blank-Laser<br>VPSS3i Blank     |                                       |
| Line controller                                 |                  |     |           | FMS Controller EU or AMNC3i<br>FMS     |                                       |
| Power and Air                                   |                  |     |           | (6kVA-400v) – (500 L/min)              |                                       |

<sup>\*</sup> Only common cutting pallets

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

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<sup>&</sup>quot;Technical specification depends on part shape and cutting technology «Minimum - Maximum part size - Weight and Thickness»

<sup>1)</sup>Wooden pallet is included in the stacking height measurement.

<sup>&</sup>lt;sup>2)</sup>Stacking height for a CELL is 450 mm <sup>3)</sup>The stacking height is 350 mm with CS II 300 connection