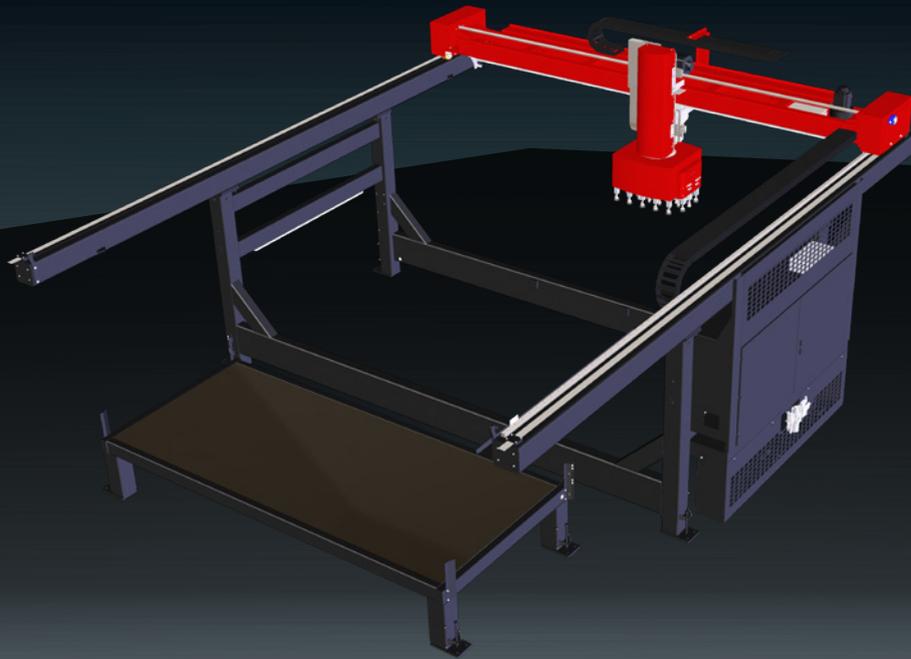


SOLUTION

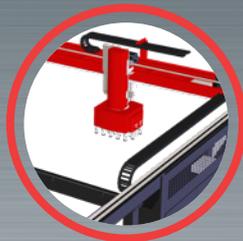
LASER CUTTING



TK-3015EU



PART REMOVER FOR CO₂ & FIBRE LASER CUTTING MACHINES



DATA SHEET

TK-3015EU

PART REMOVER FOR CO₂ & FIBRE LASER CUTTING MACHINES

VENTIS | ENSIS | LCG | LCG AJ

PRECISION AND SPEED

The TK-3015EU 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

				Remarks
Stacking area	X x Y	mm	3050 x 1525	
Maximum Parts Weight [*]		kg	70	e.g. 1500x1000xt6 - 1000x1000xt9
Sheet Thickness [*]		mm	1.0 - 9.0	
Max. Part Size [*]	X x Y	mm	1500 x 1200	
Min. Part Size [*] STD skid tooth 32 mm	Thickness ≤1.6mm	X x Y	mm	In X direction (angle 0)
	Thickness ≥1.7mm	X x Y	mm	
Option Min part size [*] in Y skid tooth 16 mm	Thickness ≤1.6mm	X x Y	mm	
	Thickness ≥1.7mm	X x Y	mm	
Part Spacing		mm	>10	recommended
Stacking height (table at 540 mm) ¹⁾		mm	450 ²⁾ or 350 ³⁾	
TK unit size (Arm close)		mm	770 x 540	
TK unit size (Both sides arm open)		mm	1270 x 540	Both sides arm open 250mm (=500mm)
TK unit size (One side arm open)		mm	1020 x 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 VPSS3i Blank	
Line controller			FMS Controller EU or AMNC3i FMS	
Power and Air			(6kVA-400v) – (500 L/min)	

^{*} Only common cutting pallets

^{**} Technical specification depends on part shape and cutting technology «Minimum - Maximum part size - Weight and Thickness»

¹⁾ Wooden pallet is included in the stacking height measurement.

²⁾ Stacking height for a CELL is 450 mm

³⁾ The stacking height is 350 mm with CS II 300 connection

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