

TR-1SNR
TR-5DNR
TR-5SNR
TR-6DNR
TR-6SNR

Mounter

MTC

Matrix Tray Modules

Our family of Matrix Tray Modules will enlarge the productivity and flexibility of your assembly line.

LOWEST COST
OF OWNERSHIP

JUKI



You are always a winner with JUKI Matrix Tray Modules! Our modular product line can be matched to your exact requirements. This provides the optimum combination of productivity, flexibility and reliability with the **Lowest Cost of Ownership.**

Component feeding by shuttle (TR-6)

The module is equipped with a shuttle that brings the components to the head for picking. The big advantage of this system is that no feeder space is lost.

Components with a minimum flat surface of 5mm x 5mm can be picked with a vacuum nozzle (TSOP, QFP, PLCC). Other rectangular components such as BGA, FBGA and connectors with a minimum outline of 17mm x 17mm will be handled mechanically.

Component feeding by matrix tray (Tray holder, TR-1 & TR-5)

The matrix tray server is installed on the rear bank of the assembly machine and presents trays to the machine one at a time so that the placement head can pick components directly from the trays.

All components, especially odd form, can be presented using this type tray changer/holder.

Non-Stop-Operation

This option allows the operator to replace empty trays while the machine continues to run without impacting production.

Standard Features and Option

Empty Tray Indicator (Option for KE-2070/2080)

1

An indicator light shows which tray is empty

Waffle Pack Holder (Option)

2

A specially designed tray holds 2 x 2" waffle packs

Super Low Speed Mode (Option for KE-2070/2080)

New lower tray handling speed prevents very light components from jumping out of the tray.

Tray Base Orientation Check

A sensor checks tray hole or edge and verify its position before the magazine goes into operation



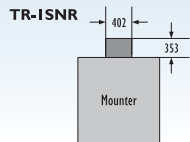
Matrix Tray Holder

Feeding method:	Fixed trays
Applicable tray size:	322 x 270 x 28 mm (Full type) 160 x 270 x 28 mm (Half type) min. 65 x 65 x 5 mm all components the assembler can handle
Component size:	
Occupied positions:	20 8 mm feeders (Full type) 10 8 mm feeders (Half type)



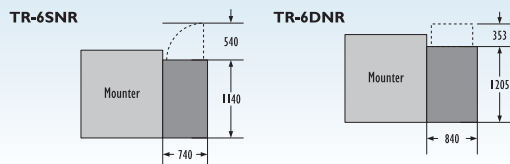
Dual Tray Server (TR-ISNR)

Feeding method:	Automatic tray exchange
Number of trays:	max. 2
Tray size:	max. 340 × 230 × 28 mm min. 150 × 90 × 5 mm
Weight / Tray:	max. 500g
Component size:	all components the assembler can handle
Occupied positions:	24 8 mm feeders



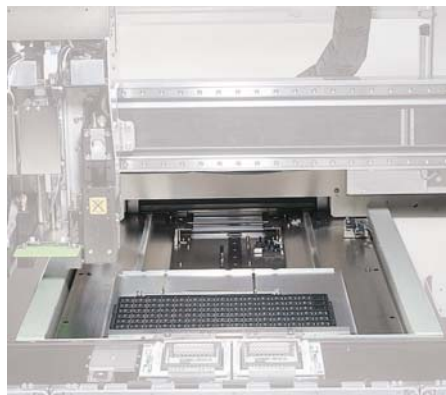
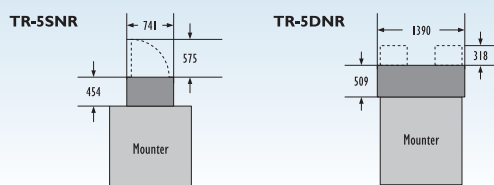
Matrix Tray Changer (TR-6SNR / TR-6DNR)

Feeding method:	Dual shuttle
Number of trays:	max. 20 (TR-6SNR) max. 30 (TR-6DNR) max. 15 (TR-6DNR) in non-stop mode
Tray size:	max. 340 × 230 × 15 mm min. 150 × 90 × 5 mm
Weight / Tray:	max. 500g
Component size:	max. 50 × 50 mm min. 5 × 5 mm
Occupied positions:	0



Matrix Tray Server (TR-5SNR / TR-5DNR)

Feeding method:	Presented tray
Number of trays:	max. 40 (TR-5SNR) max. 40 (TR-5DNR) max. 20 (TR-5DNR) in non-stop mode
Tray size:	max. 340 × 230 × 28 mm min. 150 × 90 × 5 mm
Weight / Tray:	max. 500g
Component size:	all components the assembler can handle
Occupied positions:	complete rear bank



A leading supplier worldwide

Juki has now installed more than 17,000 placement systems worldwide, establishing us as one of the top SMT suppliers to the global market. All Juki products are designed to guarantee our customers the absolute lowest production cost (Lowest Cost of Ownership). With outstanding flexibility and high placement rates the new models will again define the new standard for midrange applications, perfectly suited for the European market.

What we mean by Lowest Cost of Ownership

Often when deciding on the purchase of a new placement system, only the initial investment cost and the theoretical placement rate are considered. This overlooks many other factors that make up the overall production cost. Consumables, spare parts and service can be a big cost factor. Such things as changeover times, machine breakdowns and the difference between the theoretical and actual throughput rate significantly affect productivity. Maintenance, programming and operator training account for additional personnel costs. Thanks to their many years of experience building flexible modular placement systems Juki has gained an outstanding reputation. Data from the market has shown that compared to systems from other manufacturers, Juki clearly provides the highest reliability and lowest cost of ownership in the industry.

EUROPE

Headquarters
Solothurn, Switzerland
Telephone +41 32 626 29 29

Nürnberg, Germany
Telephone +49 911 93 62 660

Crawley, England
Telephone +44 (0) 1293 59 22 70

AMERICA

Headquarters
Morrisville, NC
Telephone +1 (919) 460 0111

ASIA

Juki Corporation
Tokyo, Japan
Telephone +81 3 3480 3371

Please contact our headquarters
or your nearest Juki sales office
for further information or
alternatively visit our website:
www.jas-smt.com

