INTELLIGENT PRODUCTION TECHNOLOGY

RTS ROTARY TRANSFER SYSTEM

High-output performance at up to 120 cycles/min. in the smallest areas

With speeds of up to 120 cycles per minute and very high technical availability, our modular systems are a byword for reliably high output.

Product examples mounted on RTS
- Sensors
- Filters
- Plugs
- Valves
- Switches

RTS – The new generation
The RTS rotary transfer system has been technically re-designed and given a whole new look. Its new, extremely rigid curved sheet metal design not only ensures exceptional stability but features another benefit: the production system is now easier to clean and maintain, because the individual stations are much more accessible.

Your benefits
- compact construction
- excellent accessibility
- unique rotary construction
- high output
- high positioning accuracy
- high energy efficiency
- high maintainability
- short delivery times
Technical RTS data

Cycle time
Up to 120 cycles per minute

Station numbers
8, 16, 20, 24, 32

Accuracy
+/- 0.05 mm positioning accuracy
+/- 0.03 mm axial run-out accuracy

Table top
Coated or electroless nickel plated steel, natural aluminum

Protective cover
Powder-coated RAL 9016 fine texture

Drive
Bosch Rexroth

Control panel
Siemens, Allen Bradley (USA)

Workpiece carrier rotary drive
Step gear indexing drive 90° (standard), additional options possible

Station distance
160 mm arc length

Lower workpiece edge
1000 mm - 1050 mm

Guard panels
Makrolon swiveling doors or lift doors

Control panel
Integrated into the guard panel

<table>
<thead>
<tr>
<th>Type</th>
<th>Stations: Drive ~, Main ~, Auxiliary ~</th>
<th>Total Width (mm)</th>
<th>Width machine table (mm)</th>
<th>Width Enclosure (mm)</th>
<th>Ø carrier (mm)</th>
<th>Height carrier (mm)</th>
<th>Height machine table (mm)</th>
<th>Min. height Enclosure (mm)</th>
<th>Weight (kg)</th>
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<td>8: 1, 3, 4</td>
<td>2040</td>
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<td>656</td>
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Example: RTS 8

Example: RTS 32

Mass production – it doesn’t get faster or more cost-effective than this
Built compact and driven by mechanical cams – like all cam-driven systems from teamtechnik, the RTS will reliably deliver energy-efficient automation without major maintenance requirements for decades.

Completely to Customer Specification
our modular system lets you create an efficient solution every time – customized individually to your specific project requirements. A range of different platforms are available, depending on the specific assembly task (8-32 stations).

Precision in a matter of seconds
From semi-automated manual workstations to mass production. – our assembly lines grow alongside our customers.
The RTS rotary transfer system can be fitted with different drives to suit a variety of assembly tasks:
- Electro-pneumatic
- Mechanically cam-driven
- Flexible servomotor technology
The benefit: mechanical and turbo drives have a much longer life than pneumatic drives.

RTS rotary transfer modular system
The unique circular construction of the rotatable basic module allows the workpiece to be reached from the inside and the outside.
The benefits:
- Maximum accessibility
- Operation and maintenance in the smallest areas
- Clear arrangement for feeding workpieces
- Clear arrangement for the layout of the separation and orientation units.
With its own e-fleet, photovoltaic system, storage battery and charging station, sustainable e-mobility is in daily use at teamtechnik since 2013 and is part of the business model. Today, teamtechnik is leading in test benches for e-drive systems used in e-vehicles. Additionally, teamtechnik supplies assembly and test systems for batteries as well as PV stringers.