ROTARY INDEXING TABLE CONTROLLERS
CONTROLLERS FOR FIXED-CYCLE ROTARY INDEXING TABLES

» SAVE TIME DURING COMMISSIONING

» OPTIMIZATION FEATURE FOR BEST POSSIBLE CYCLE TIMES

» MORE PLANNING RELIABILITY DUE TO EXTENDED WARRANTY TIME FOR ROTARY INDEXING TABLE TC

» DEFINED INTERFACE TO MACHINE CONTROLLER WHICH CONTAINS ALL RELEVANT SIGNALS

» CAN BE OPERATED INDEPENDENT OF THE MACHINE CONTROLLER – DIRECTLY ON THE DEVICE OR SIMPLY USING THE WEB-BASED USER INTERFACE
CONTROLLERS FOR FIXED-CYCLE WEISS ROTARY INDEXING TABLES

**TS004 CONTROL CARD**
The cost-effective variant for fast commissioning – a proven, long-standing solution that is perfectly coordinated and continuously optimized.

**EF2 ROTARY INDEXING TABLE CONTROLLER**
Rotary indexing table, controller and web-based software from one source - an optimal combination.

**EF3 ROTARY INDEXING TABLE CONTROLLER**
Seamless interaction of rotary indexing table and powerful controller from the same source.

**Benefits**
- Use in single shift operation with fewer than 2 million cycles/year
- Inexpensive solution
- Practical to use via multilingual elements on front side
- Various installation options

**Benefits**
- Intuitive web-based user interface
- Fast and easy commissioning
- Cam gear & segment detector for optimized pre- and post-control of processes

**Benefits**
- Easy to program using preset parameters
- Easy to operate directly on the device via keypad
- Rapid error analysis via cumulated error display
- Compact and slim design saves space in control cabinet
- Successor product to our EF1 rotary indexing table controller

**Controllers for WEISS rotary indexing tables …**
- are perfectly coordinated to electromagnetic rotary indexing tables
- promote a long system service life, since there is less brake wear and soft start after e-stop, even from intermediate positions
- control brakes directly from the WEISS controller, no additional relay required
- feature optimization options right on the device or on the user interface
- can be used globally via various web standards
- compact hardware (all in one)
# COMPARISON OF ROTARY INDEXING TABLE CONTROLLERS

<table>
<thead>
<tr>
<th>PERFORMANCE CHARACTERISTICS</th>
<th>Control card TS004</th>
<th>Rotary indexing table controller EF2</th>
<th>Rotary indexing table controller EF3</th>
<th>Contactor control</th>
<th>Standard frequency converter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Platform</td>
<td>Control card (logic)</td>
<td>Servo controller, PLC</td>
<td>Servo controller, PLC</td>
<td>Power contactor</td>
<td>Frequency converter</td>
</tr>
<tr>
<td>Performance classes</td>
<td>External power contactor necessary</td>
<td>0.37 kW</td>
<td>1.5 kW</td>
<td>2.2 kW</td>
<td>3.0 kW</td>
</tr>
<tr>
<td>Safety feature</td>
<td>Only with additional circuit, not a control card component</td>
<td>STO SIL 2 on board, STO SIL 3 with additional circuit</td>
<td>STO SIL 3 on board, SS1-t with additional circuit</td>
<td>Designed by user based on specifications for respective application</td>
<td>Designed by user based on specifications for respective application</td>
</tr>
<tr>
<td>Operability</td>
<td>LED display &amp; control buttons</td>
<td>Web-based user interface</td>
<td>Display/keypad</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Front panel installation</td>
<td>Optional</td>
<td>Not available</td>
<td>Optional</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Space requirements, dimensions (width/height/depth)</td>
<td>Control card 40/127/172 mm</td>
<td>0.37 kW to 2.2 kW 90/283/285 mm, 3.0 kW 100/288/300 mm</td>
<td>0.75 kW to 4.0 kW 60/323/210 mm</td>
<td>Depending on manufacturer</td>
<td>Depending on manufacturer, comparable</td>
</tr>
</tbody>
</table>

**BENEFITS**

- Parametrization in just a few steps, saves time during commissioning
- No controller knowledge required
- Web-based operation, integrated web server
- Remote support & diagnosis options
- Increased performance via fully automatic optimization cycle
- Wear-free switching of motor & brake coil via semi-conductor relay
- Energy saving mode
- 5 year warranty on TC rotary indexing table

- Increased wear on contactor, increased risk of failure and increased maintenance costs

**POSSIBLE USES**

- Very many time-critical cycles / year (> 2 million) with high dynamics
- Very few non-time-critical cycles / day with very long pause times

1 via telephone, 2 via TeamViewer, 3 increased wear on contactor, increased risk of failure and increased maintenance costs, 4 possible depending on manufacturer