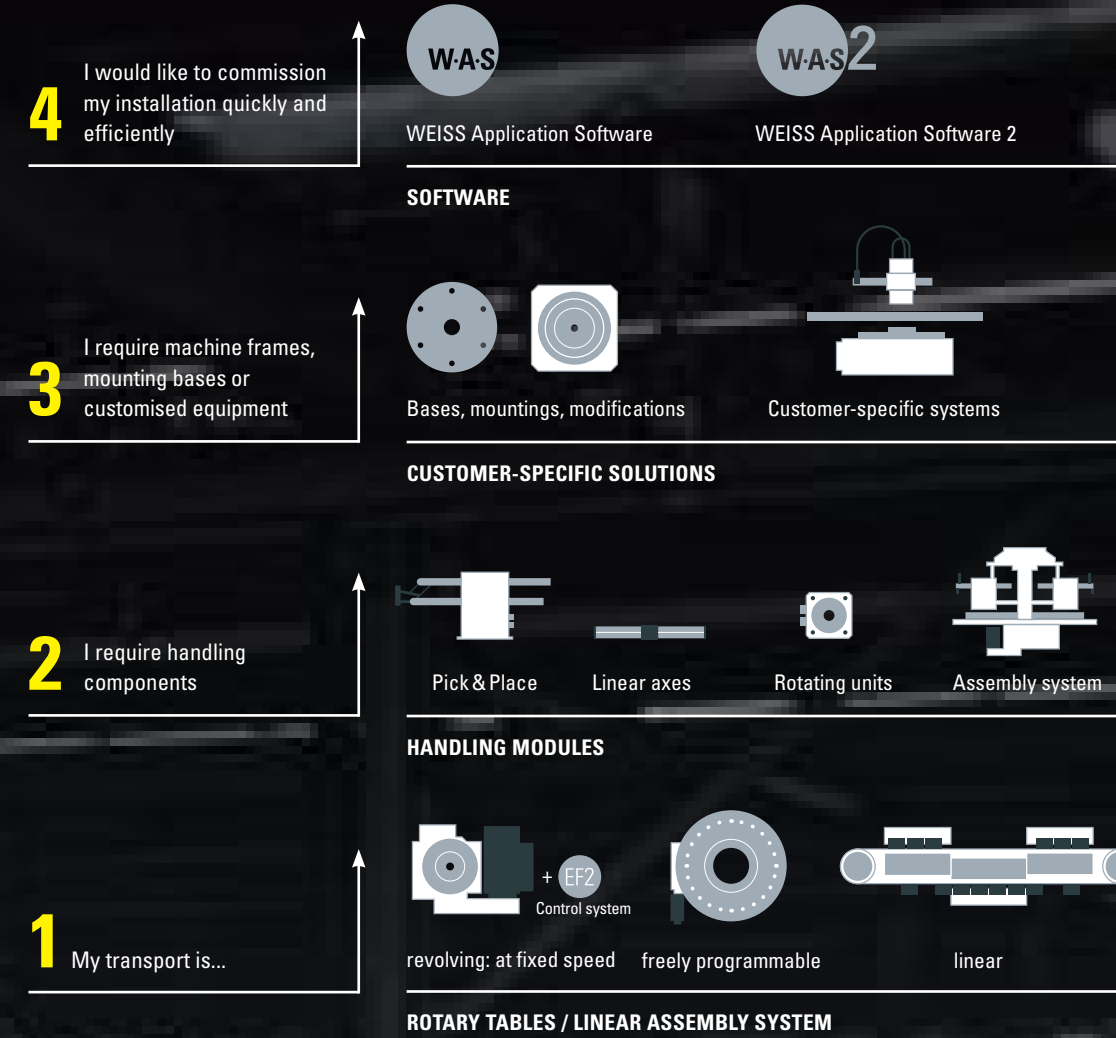


## 4 STEPS TO PERFECT AUTOMATION

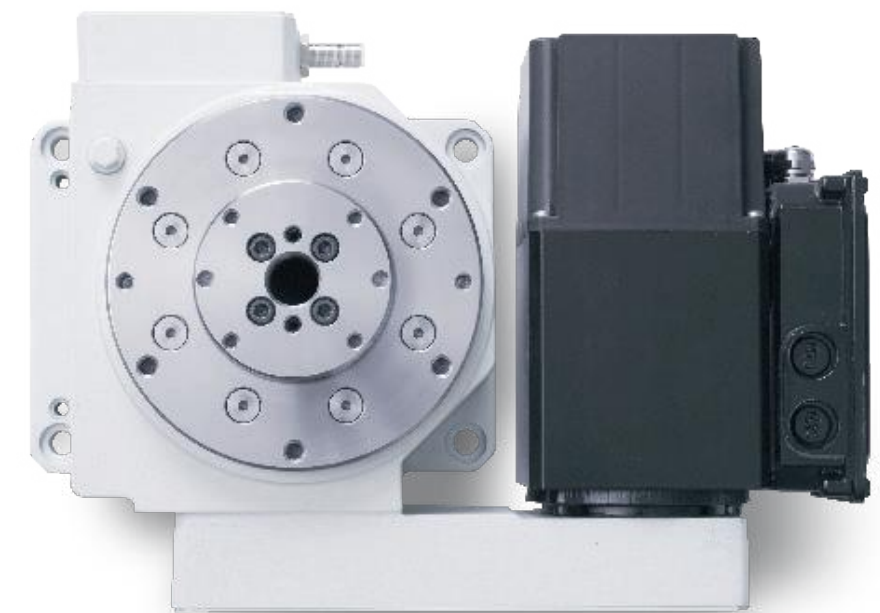


INSPIRING PEOPLE  
GREAT SOLUTIONS

05/2016

# PRODUCT OVERVIEW

ROTARY TABLE  
LINEAR SYSTEM  
HANDLING  
SOFTWARE



### WEISS GMBH

Siemensstraße 17 74722 Buchen  
Phone +49 (0)6281 5208-0 Fax +49 (0)6281 5208-99  
info@weiss-international.com  
www.weiss-international.com



# 1

## FIXED-STATION ROTARY INDEXING TABLES



**TC ROTARY INDEXING TABLE**  
Extremely robust rotary table with long service life. Already in its third generation.



**TR ROTARY INDEXING RING**  
Rotary indexing ring with very large central opening and extremely flat design. Based on TC technology.



**EF2 ROTARY TABLE CONTROL SYSTEM**  
Ultimate convenience during start-up and operation of the TC and TR series of fixed-station rotary tables. The control system makes our tables virtually maintenance-free.



**TS CONTROL BOARD**  
Simple and proven. Facilitates optimised cycle times and significantly increases the service life of the brake.

## FREELY PROGRAMMABLE ROTARY TABLES



**NC ROTARY TABLE**  
Robust and durable. With brushless AC servo motor.



**NR ROTARY RING TABLE**  
Ring-shaped with very large central opening.



**CR/TH HEAVY DUTY ROTARY TABLE**  
Servomechanical series with flat design. For horizontal (CR) or vertical (TH) loads. Plate diameter: 300 – 2600 mm.

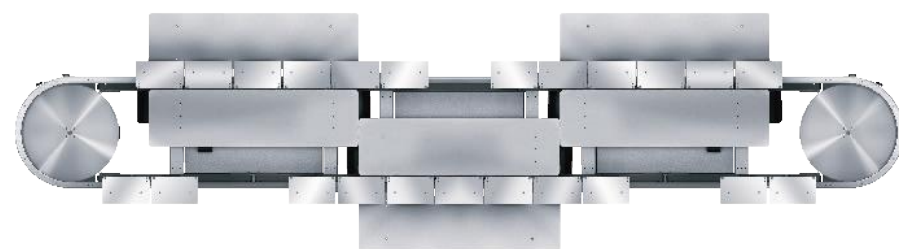


**TO TORQUE ROTARY TABLE**  
Direct-drive for ultimate dynamic performance, fast indexing times and extremely high degree of repeat accuracy.



**TW ROTARY TABLE WITH HYBRID DRIVE**  
The integrated torque motor with high-precision gear reduction allows the unit to be kept compact yet still deliver high power density.

## LINEAR ASSEMBLY SYSTEM



**LS 280 LINEAR ASSEMBLY SYSTEM**  
Elegant operating principle for greater productivity. The modular cell concept facilitates a flexible system design.

# 2

## HANDLING MODULES



**HP 70 PICK & PLACE**  
The compact powerhouse. Ultra slim, compact and highly dynamic. The WEISS Application Software makes start-up a quick and easy process.



**HP 140 PICK & PLACE**  
Two linear motor axes, one compact module. Thanks to direct drive, the unit is user-programmable and extremely precise.



**ST/SW TORQUE ROTARY UNITS**  
The rotating modules with torque motor and absolute rotary encoder for fast, precise and highly dynamic rotary, swivel and gripper movements.



**HG/HN LINEAR AXES**  
Highly dynamic drive technology for your basic axis. Ready-for-installation, boasting massive power density. Also available as a HG model based on aluminium profile at highly attractive conditions.



**PM PICK-O-MAT**  
In a class of its own. Electromechanical automated assembly system with up to 24 handling modules – indexed via a central drive. Two sizes.



**SH 75 LIFTING-ROTATING UNIT**  
Both axes can be independently and freely programmed by the user. This makes the module suitable for a wide range of applications with alternating tasks.



**HL LINEAR AXIS**  
Smooth movement for dynamic, high-precision positioning tasks. The flexible linear motor axis for any application: horizontal or vertical, loading from the left or right.

# 3

## CUSTOMER-SPECIFIC SOLUTIONS



**CUSTOMER-SPECIFIC SOLUTIONS**  
From individual indexing plates, through modified indexing table subframes, all the way up to complete customer-specific sub-systems. Our customers have a single contact, no interface problems and receive everything from a single source.



**SK INDEXING MACHINE BASES**  
In the standard sizes of 100, 200 and 300.



**SR INDEXING MACHINE BASES**  
In the standard sizes 100, 200, 300, 400, 500.



**HANDLING SYSTEM**  
Our solutions employ tried and tested WEISS components, which we combine to create sub-systems – highly individual and optimally matched to one another.

**CUSTOMER-SPECIFIC SYSTEMS**  
"Ready to work": We can supply you with complete kinematic sub-systems for your installation from a single source – in the form of intelligent functional units that combine mechanics, electronics and software. Our solutions are ready-for-assembly and supplied in the familiar, no-compromise WEISS quality. Our focus is on kinematics – leaving other tasks, such as process design, in the hands of the equipment manufacturers.

# 4

## SOFTWARE



Fast and simple commissioning in no time at all. Three versions of W.A.S. for rotary tables, linear systems and handling units.



The whole world of WEISS components in a single software package: The further development of W.A.S. – as a Windows program, via web browser and for mobile devices.

**W.A.S. – WEISS APPLICATION SOFTWARE**  
Our control and commissioning software is designed specifically for use with our hardware components. The interface is so elegant, easy and intuitive that neither software nor control expertise is required to operate it – and with W.A.S. 2 it can even be used for complete multi-component systems.