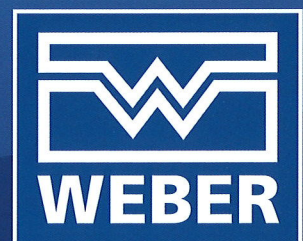
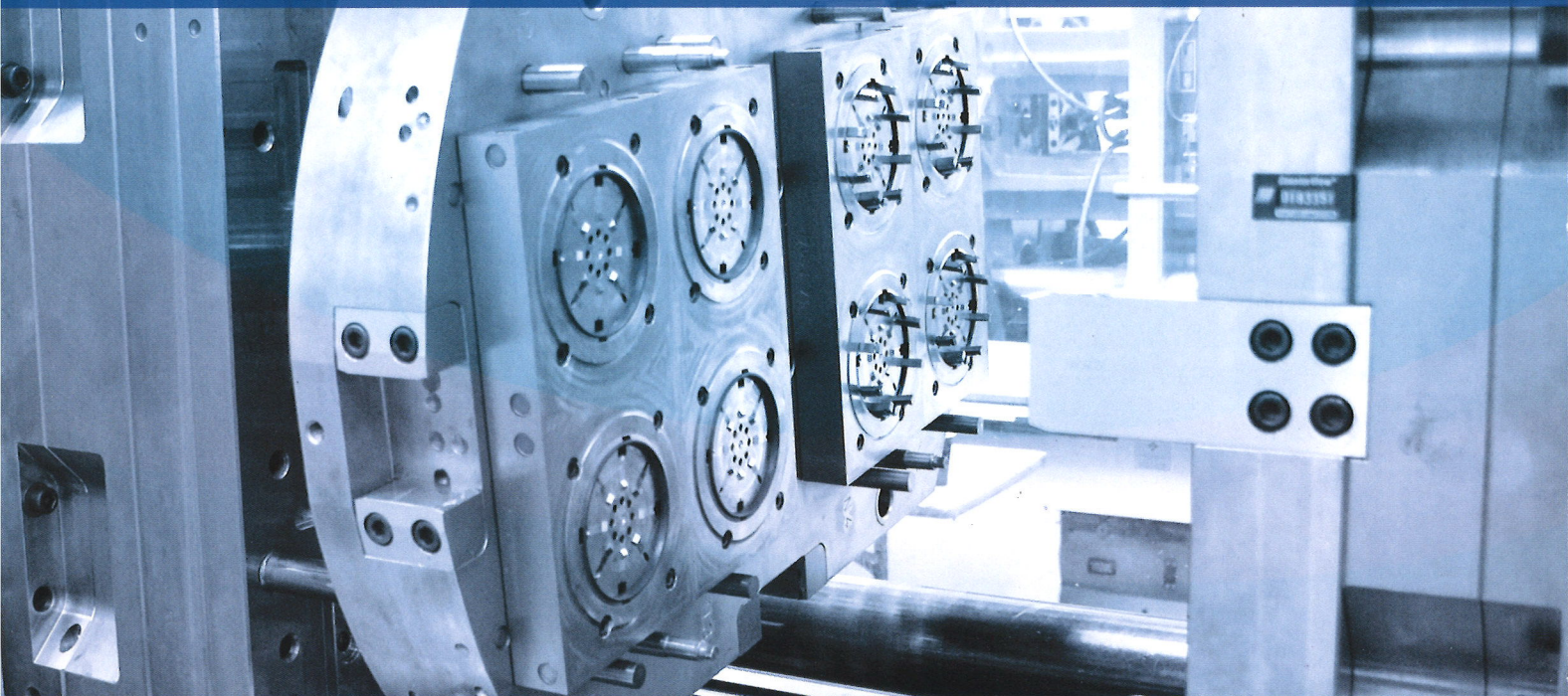


WEBER – Multi-Component Technology
Mold Making – Rotary Systems – Plastics Processing

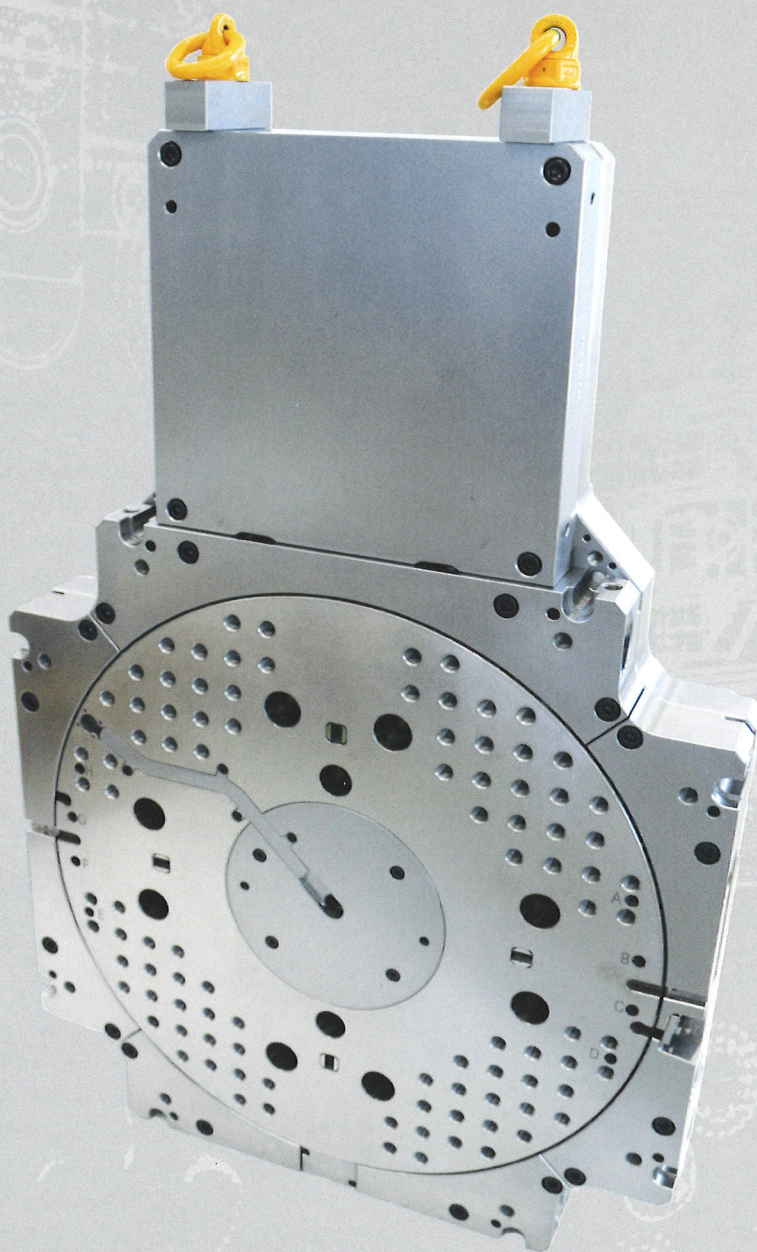
Rotary Systems

Rotary Block System | Index Plate System



Our technology.
Your future.

Our technology. Your future.



WEBER rotary systems enable you to use your multi-component tools efficiently in every possible way.

For many years, WEBER rotary systems have been known as a good investment. Constant further developments have made us the market leader.

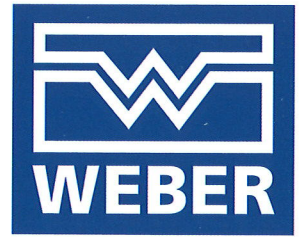
By incorporating our customers' requirements, WEBER has created a new generation of rotary systems. The robust and maintenance-friendly rotary systems hold a new sealing and bearing concept. The available ejector strokes have been raised and the lifetime of the seals is 1 year minimum for the standard edition. The assembly and disassembly have been designed to be easier and more ergonomic.

OUR AIM IS TO PROVIDE FULL SATISFACTION.

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Rotary Systems

Hydraulic and
Electric Systems



Our technology.
Your future.

HYDRAULIC ROTARY SYSTEMS D

- Robust all-steel design
- Encapsulated gearing
- Rotation by hydraulic motor
- Rotational limiter with fixed stop
- Optional: hydraulic or pneumatic lock
- Rotation 180° alternating (other divisions possible 120° clockwise, 45° or 90°)
- Alignment of the final position by inductive proximity switch
- End position damping via second switching point
- Stamp lowering possible via control cam
- Mold weight supported by rollers arranged on the circumference
- Rotary-table mounted on grooved ball bearings
- True running accuracy 0.05 mm min.
- Offset 0.1 mm max.
- Tipping 0.05 mm max.
- Central or excentric coolant supply for water, oil or air
- Depending on size, 2, 3, 4 or 5 separate temperature circuits, additional fluid mains on demand
- Fluid temperatures in standard edition 80° C, optional 160° C
- Fluid pressure up to 150 bar max.
- Fluid connection on control side and control counter side
- Optional: transmission of electric signals
- Optional: integrated screw gear
- Optional: kit for conversion to the index plate system and vice versa with very short retooling times
- Operating and maintenance instructions and list of spare parts
- Spare parts of standard edition in stock

ELECTRIC ROTARY SYSTEMS DE

- Robust all-steel design
- Encapsulated gearing
- Rotation by hydraulic motor
- No fixed stop, positioning and clamping via the motor
- Optional: hydraulic or pneumatic lock
- Rotating speed at 180° rotation between 0.6 sec and 2 sec, depending on size
- Positioning exactitude on rotary table diameter +/- 0.02 mm
- Any rotation angle possible clockwise or alternating, standard 90°, 120° and 180°
- Mold weight supported by rollers arranged on the circumference
- Rotary-table mounted on grooved ball bearings
- True running accuracy 0.05 mm min.
- Offset 0.1 mm max.
- Tipping 0.05 mm max.
- Mechanical end position limit to set up the molds
- Central or excentric coolant supply for water, oil or air
- Depending on size, 2, 3, 4 or 5 separate temperature circuits, additional fluid mains on demand
- Fluid temperatures in standard edition 80° C, optional 160° C
- Fluid pressure to 150 bar max.
- Fluid connection on control side and control counter side
- Optional: transmission of electric signals
- Optional: integrated screw gear
- Optional: kit for conversion to the index plate system and vice versa with very short retooling times
- Operating and maintenance instructions and list of spare parts
- Spare parts of standard edition in stock

OUR PRODUCTS AND SERVICES:

Rotary systems, two-stage planetary gear, servomotor, compact inverter with additional cards, braking resistor, touchscreen, standstill monitor, transmitter and motor cable, operating and maintenance instructions, list of spare parts.

All electric components are integrated in a control cabinet. If an interface for an electric core pull is available on the machine, the rotary system can be operated directly via the machine control. Then the compact inverter, the touchscreen, the braking resistor and the standstill monitor are no longer needed.

Only the interface is required. The interface specifications are also provided. For safety reasons the machine must be equipped with an electromechanical door lock. The locking of the door is controlled via the standstill monitor in the rotary system.

Awarding the CE approval mark for the system as a whole is the responsibility of the machine manufacturer.

INDEX PLATE ROTARY BLOCK

Series	Tie bar distance [mm]	System	Rotation angle [°]	Weight [kg]	Max. load [kg]	180°-rotation [sec.]	Ø Rotary plate [mm]
D 790	270-320	Rotary Block	180	170	200	0.8	332
D 795	320-370	Rotary Block	180	220	300	1.1	396
DE 798	320-370	Rotary Block	0-360	270	300	0.6	382
D 460	370-420	Rotary Block	180	300	450	1.4	460
DE 460	370-420	Rotary Block	0-360	350	450	0.7	460
D 560	470-520	Rotary Block	180	400	600	1.8	560
DE 560	470-520	Rotary Block	0-360	400	600	0.9	560
D 640	520-570	Rotary Block	180	500	750	2.4	640
DE 640	520-570	Rotary Block	0-360	500	750	1.1	640
D 760	570-630	Rotary Block	180	1000	1000	3.5	760
DE 760	570-630	Rotary Block	0-360	1100	1000	1.2	760
DE 960	720-820	Rotary Block	0-360	1550	2000	1.5	960
DE 1200	up to 1020	Rotary Block	0-360	3000	3500	2.0	1200
D 792	320-370	Index Plate	180	80	50	1.0	
D 793	420-470	Index Plate	180	120	80	1.0	
D 796	320-370	Index Plate	180	220	150	1.1	
DE 799	320-370	Index Plate	0-360	270	150	0.6	
DI 460	370-420	Index Plate	180	300	200	1.4	
DEI 460	370-420	Index Plate	0-360	350	200	0.7	
DI 560	470-520	Index Plate	180	400	250	1.8	
DEI 560	470-520	Index Plate	0-360	400	250	0.9	
DI 640	520-570	Index Plate	180	500	280	2.4	
DEI 640	520-570	Index Plate	0-360	500	280	1.1	
DI 760	570-630	Index Plate	180	1000	300	3.5	
DEI 760	570-630	Index Plate	0-360	1100	300	1.2	
DEI 960	720-820	Index Plate	0-360	1550	500	1.5	
DEI 1200	up to 1020	Index Plate	0-360	3000	700	2.0	

D = Hydraulic Drive

DE = Electric Drive

WEBER – Our technology. Your future.

Your partner for reliability and precision

We are your partners for well-conceived, practice-oriented designs, high-precision injection molds, carefully engineered rotary systems suitable for continuous running and precision injection molding.

Our production program:

- Injection molds for thermoplastics
- Injection molds for silicone rubber
- Multi-component injection molds
- Automatic screw thread molds
- 3-position molds
- Multiple cavity molds
- Rotary systems
- Multi-component injection molding parts
- LSR (Liquid Silicone Rubber) processing

The basis for the perfect realization of customers' specifications is a team of highly qualified designers, technicians and skilled workers, supported by a future-oriented management. It goes without saying that we have high technology equipment including CAD, CAM and CNC systems. We look forward to receiving your inquiry.

NONNENMANN

Wir haben es für Sie im Blick

Elias Sohn Bachelor of Engineering (B.Eng.)

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