



PRODUCT PORTFOLIO



MACHINE TOOL MANUFACTURER



REIDEN TECHNIK AG

An independent Swiss company with a long tradition

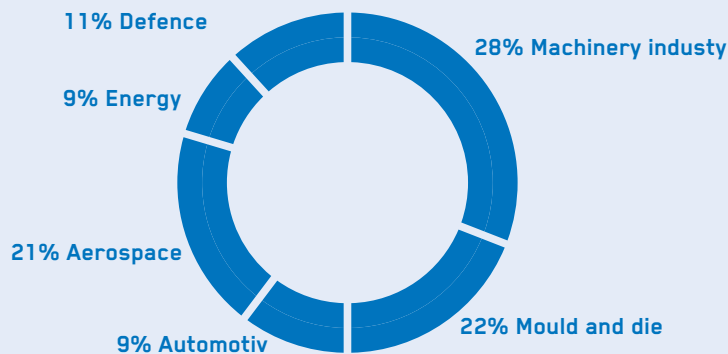
For more than 100 years, REIDEN machine tools have been built in line with Swiss quality and value philosophy at our production location in Reiden. To remain able to engineer high-quality machine tools also in the future and thus to present practical solutions for specific requirements, we rely on tried and tested technology and innovation. In this way we ensure that we can develop and maintain essential know-how, which makes us so successful in our markets.

We rely on tradition and progress. Rely on us!



Core competencies: precise mechanical engineering

With our qualified and long-standing employees, we have specialized over the years in manufacturing machines that are adapted to the needs of our customers. Our company is successful thanks to its ability to manufacture products which are technically different from those of our competitors. The strategic success position of the company is not explicitly based on product quality. It is rather based on our company's capability to manufacture flexible and customer-oriented machine tools according to special requirements.



SQS Certificate for Quality Management

The ISO 9001 SQS certificate for quality management systems was granted to Reiden Technik AG on 10 November 2010. The SQS certificate ISO 9001 has international validity and is recognized worldwide due to the IQNet partnership network.



Our industry

Thanks to their great flexibility, the REIDEN machines are present all over the world, in almost all industries. Our tried and tested and well thought-out solutions are used to stand out from the competition in terms of technology and to gain a market advantage through precision and individuality.

swiss made



REIDEN RX10

Small and compact, with a patented drive concept

The RX10 is a compact processing center with a very small footprint. Despite its compact appearance, the machine offers considerable processing space in relation to its dimensions. As standard, the RX10 is delivered with a motor spindle. We optionally offer the patented double-drive system DDT.

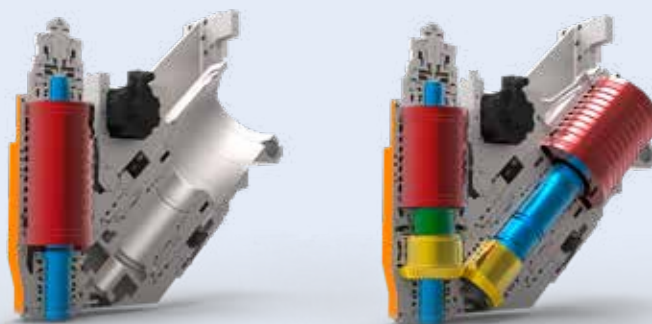


Milling and turning

Alternatively, the RX10 can be equipped with a strong motor spindle for milling-turning operations. As standard, a spindle growth sensor is used, which guarantees for work pieces of highest precision.

Double Drive Technology

As standard, the RX10 is delivered with a motor spindle version with a speed of up to 16'000 rpm and a maximum torque of 135 Nm. The Double Drive design patented by Reiden Technik AG is available as an option. With this version, a maximum torque of 291 Nm is reached via the high-torque motor at up to 3'000 rpm. Beyond 3'000 rpm, the high-torque motor is decoupled and a maximum spindle speed of 18'000 rpm is reached via the built-in motor spindle in the head.



Working range

| | | |
|----------------------------------|----|---|
| X axis Y axis Z axis | mm | 1'000 1'100 810 |
| A axis | | -1° bis 90° |
| C axis | | 360° (turning speed 500 min ⁻¹) |
| Rotary table | mm | ø 1'000 x 800 |
| Max. Oscillating circle diameter | mm | ø 1'350 (ø 1'050 with pallet changing system) |

Main drive

| | | |
|---------------|-----|---|
| Motor spindle | rpm | 16'000 with max. 135 Nm 12'000 with max. 452 Nm |
| DDT-Spindle | rpm | 18'000 with max. 291 Nm |
| Spindle taper | | HSK 63 / HSK 100 / SK40 / SK50 |

Tool changer

| | | |
|-----------------|--|---|
| Magazine spaces | | HSK63 / SK40 = 85 / 185 / 260 HSK100 / SK50 = 65 / 95 / 147 / 191 / 272 |
|-----------------|--|---|

Feed motor

| | | |
|----------------------------|-------|----|
| Rapid speed X / Y / Z axis | m/min | 60 |
|----------------------------|-------|----|

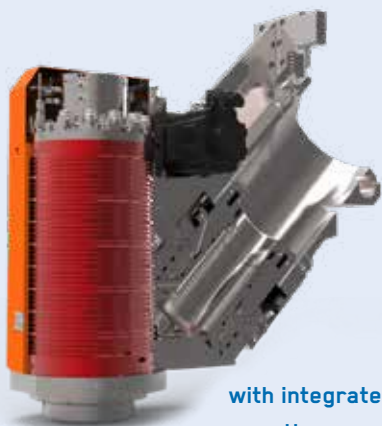
Pallet changing system

| | | |
|-----------------------------|--|------------------------------|
| Number of pallets | | 2 / 5 / up to linear storage |
| Pallet size and load weight | | ø 1'000 x 800 / 1'600 kg |

REIDEN RX12

Designed for top performance

The latest development, the REIDEN RX12, combines existing experience with new technologies. The result is a compact 5-axis machining centre with the possibility of mill-turn and a simple but very effective and space-saving pallet changer concept. When selecting the working spindle, the customer has a large number of variants at his disposal. The RX12 is a high-precision and very universal machining centre with potential for customers of all industries and sizes.



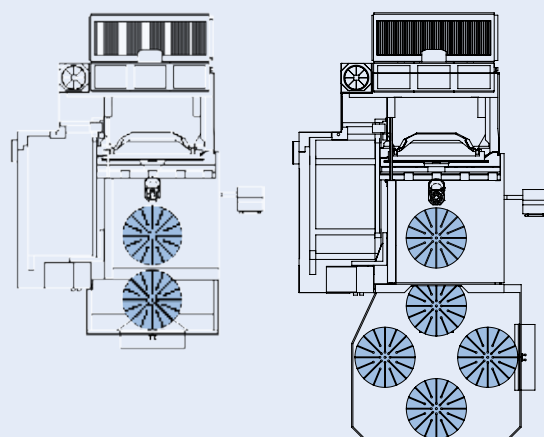
with integrated spindle growth sensor

HSK100 motor spindle

The standard version of the RX12 is fitted with a powerful motor spindle. The connection of the housing and the motor spindles to the recirculation cooling and the spindle expansion sensor - fitted as standard - guarantee the highest degree of precision on the workpiece.

Modular automation concept in a small space

Chucking and fitting during live operation. Thanks to the inspired automation concept, downtimes can be reduced to a minimum. The RX12 can be fitted in various configurations up to the linear storage. Access to the machining area remains optimum thanks to the laterally arranged pallet changer. Crane loading into the working area is also still possible.



Working range

| | | |
|----------------------------------|----|---|
| X axis Y axis Z axis | mm | 1'300 1'450 1'000 |
| A axis | | -1° bis 90° |
| C axis | | 360° (turning speed 500 min ⁻¹) |
| Rotary table | mm | ø 1'200 x 1'000 / ø 1'200 |
| Max. Oscillating circle diameter | mm | ø 1'600 (ø 1'200 with pallet changing system) |

Main drive

| | | |
|---------------|-----|---|
| Motor spindle | rpm | 16'000 with max. 135 Nm 12'000 with max. 452 Nm |
| DDT-Spindle | rpm | 18'000 with max. 291 Nm |
| Spindle taper | | HSK 63 / HSK 100 / SK40 / SK50 |

Tool changer

| | | |
|-----------------|--|--|
| Magazine spaces | | HSK63 / SK40 = 85 / 185 / 260 / 360 HSK100 / SK50 = 65 / 147 / 191 / 272 |
|-----------------|--|--|

Feed motor

| | | |
|------------------------|-------|----|
| Rapid speed X/Y/Z axis | m/min | 50 |
|------------------------|-------|----|

Pallet changing system

| | | |
|-----------------------------|--|--------------------------------------|
| Number of pallets | | 2 / 5 / 9 / up to linear storage |
| Pallet size and load weight | | ø 1'200 x 1'000 / ø 1'200 (2'000 kg) |

REIDEN RX14/RX18

Combined milling and turning

With the spindle clamping and the optional rotary table, workpieces can be turned at a maximum speed of 400 rpm. The time-consuming exchanging of the workpiece between different machines is now a thing of the past. The proved swivel head concept guarantees a high degree of universality in multi-sided machining and is designed for simultaneous milling with up to 5 axes. This key technology has been successfully used by Reiden Technik AG for years.

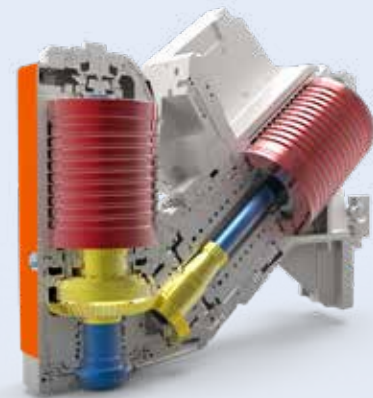


Trigonal milling head

Via the special arrangement of the A-axis dihedral angles from -15° to $+105^\circ$ can be machined with only one axis. Today in modern machine tools all feed axes are in permanent control. Milling with the trigonal head in the horizontal spindle position has the great advantage that the X and Y axes are continually loaded in the same direction. This reduces cross-stresses to a minimum.

Double Drive Technology

The clever dual drive system, already tried and tested on other REIDEN machine families, is also used on the RX14 /RX18. Toughing work is mastered with a high-torque motor having a maximum spindle speed of 3'000 rpm and a torque of 1'202 Nm. If higher speeds are required, the high-torque motor decouples and the high-speed spindle integrated in the milling head reaches a maximum speed of 12'000 rpm.



| Working range | | RX14 | | RX18 | |
|----------------------------------|-------|--|------------------------------|----------------------|--|
| X axis Y axis Z axis | mm | 1'800 1'800 1'210 | 2'200 2'200 1'610 | | |
| A axis | | -15° bis 105° | | | |
| C axis | | 360° (turning speed 400 rpm) | 360° (turning speed 250 rpm) | | |
| Rotary table | mm | ø 1'400 x 1'200 / ø 1'800 x 1'400 / ø 1'400 / ø 1'800 | | | |
| Max. Oscillating circle diameter | mm | ø 1'900 / ø 2'200 | | ø 2'200 / ø 2'600 | |
| Main drive | | | | | |
| Motor spindle | rpm | 8'000 with 557 Nm / 15'000 with 348 Nm | | | |
| DDT-Spindle | rpm | 12'000 with 1'202 Nm | | | |
| Spindle taper | | HSK 100 / SK50 | | | |
| Tool changer | | | | | |
| Magazine spaces | | 92 / 204 / 288 | | 92 / 200 / 304 / 400 | |
| Feed motor | | | | | |
| Rapid speed X/Y/Z axis | m/min | 40 | | | |
| Pallet changing system | | | | | |
| Number of pallets | | 2 / 3 / 4 / up to linear storage | | | |
| Pallet size and load weight | | ø 1'400 x 1'200 / ø 1'800 x 1'400 / ø 1'400 / ø 1'800 (4'000 Kg) | | | |

REIDEN BFR2

Stable basic concept for high machining forces

This generously dimensioned machine design with box-type guide ways guarantees stability and smooth running even with extreme cutting forces. The machine design is modular and expandable. The mechanical components vary only in the X axis, i.e. as a function of the travel and the table version



B-axis, continuous programmable

This B-axis pivots continuously + / - 180° by means of a pre-stressed, backlash-free worm drive. The NC axis is designed for positioning and simultaneous operations.



Rear control panel

A second control panel on the rear side of the machine is available as an option. This enables the operator, always to have an optimal view of the tool even when machining large workpieces in a horizontal position.



Highest stability

Hydraulically clamped rotary axes guarantee stability during heavy roughing in mechanical engineering. Laser-measured and linear and rotary axes ensure maximum precision on the workpiece to be machined.

Working range

| | | |
|----------------------------------|----|---|
| X axis Y axis Z axis | mm | BFR23 = 3'000 / BFR24 = 4'000 1'200 1'500 |
| A axis | | Every 1° or 15° indexable |
| B axis | | +/-180° continuous |
| C axis | | 360° |
| Rotary table | mm | ø 1'000 / 1'250 / 1'700 |
| Max. Oscillating circle diameter | mm | ø 1'800 (2'700 optional) |

Main drive

| | | |
|-----------------------------|-----|----------------------------------|
| Spindel with 2 step gearbox | rpm | 6'000 / 7'000 with max. 1'135 Nm |
| Spindle taper | | HSK 100 / SK50 |

Tool changer

| | | |
|-----------------|--|---------------------------|
| Magazine spaces | | 64 / 80 / 120 / 151 / 321 |
|-----------------|--|---------------------------|

Feed motor

| | | |
|----------------------------|-------|--|
| Rapid speed X / Y / Z axis | m/min | 20 (X axis BFR23 and BFR24 30 min/min) |
|----------------------------|-------|--|

Pallet changing system

| | | |
|-----------------------------|--|--|
| Number of pallets | | 2 / 3 / 4 / up to linear storage |
| Pallet size and load weight | | ø 1'400 x 1'200 / 1'700 x 1'200 (4'000) kg |

SERVICE

Fast - Reliable - Competent

Our very well trained and flexible service team repairs and maintains your machines according to latest standards and state-of-the-art technologies. So you can be sure that you can always rely on your machines.



Service-Team

Reiden Technik AG are proud to deploy their experienced and competent service technicians. Professional support begins on the phone; you will be in direct consultation with a specialist, and talk from technician to technician. If further measures are necessary, our customers can count on prompt and fast service.



Service partner - World wide

We are represented worldwide by our partner company. The service technicians of our partners are regularly trained in the factory and have excellent knowledge of our machines. This makes it possible for us to offer a fast service close to you.

We accompany you throughout the entire life cycle of your Reiden machine!

The REIDEN Technik AG is not content with merely manufacturing machining centers. Rather, it is our aim to support the customer in solving his machining problem. Constructive, solution-oriented thinking and acting are the building blocks for a lasting relationship with our business partners. We would like to offer our customers not only machining centers, but also an ideal solution package from a single supplier.

From the very first contact, we do everything in our power to convince you of our comprehensive know-how and our service. We master the coordination of tools and materials, machining processes and clamping systems. We take care of the final tests, ensure the complete commissioning and provide training for your employees. We support you throughout the entire life cycle of your machine.

Inspection / Maintenance

Repairs / Remote maintenance

Telephone support

Technology training

Spare parts supply

Extension

Modernization / Retrofitting

CAM programming service



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