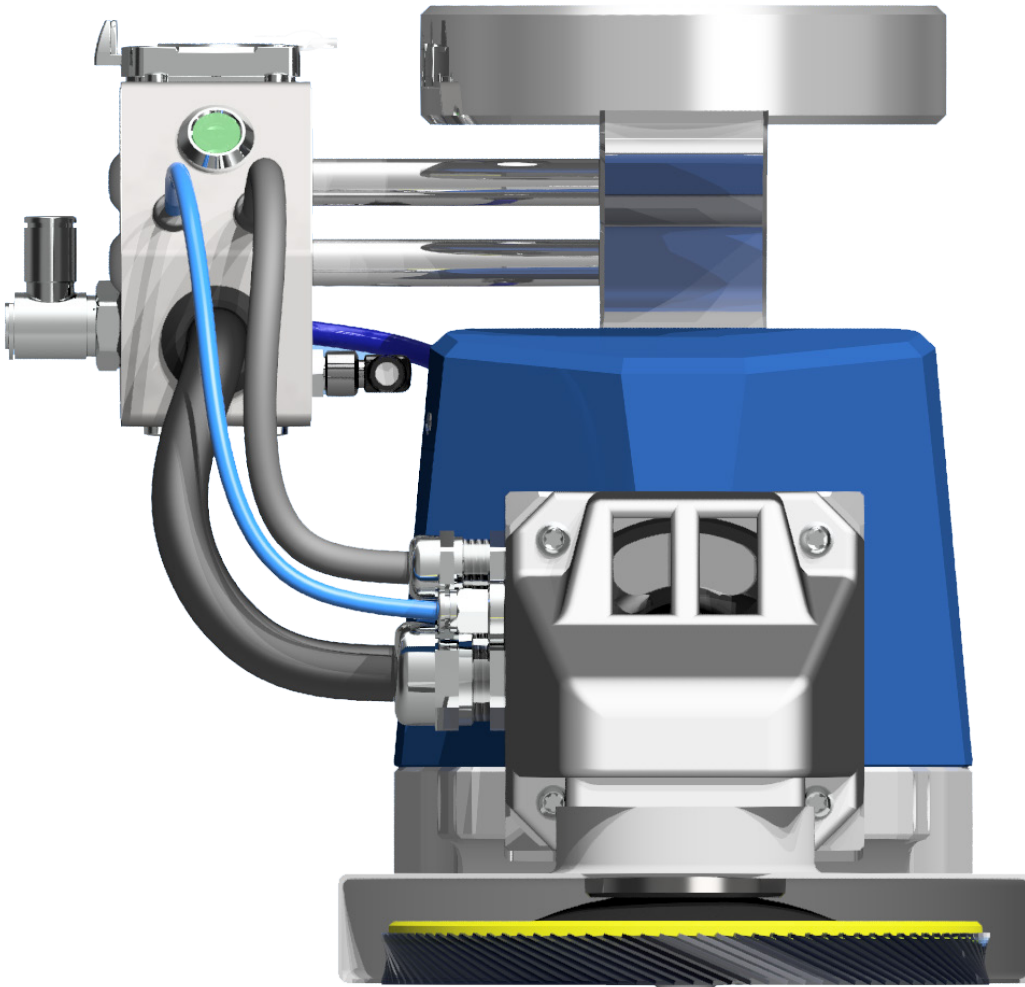


PRODUCT INFORMATION

ANGLE GRINDER ERG-1500



Efficient.Flexible.Compliant.



Disc diameter
Ø125 mm

Compensation
stroke Z
16 mm

Weight
5,3 kg

Motorpower
1500 w

Speed max.
8900 rpm

ERG-1500 – Angle Grinder Robot use

For the highest demands in automation

The ERG-1500 robotic angle grinder was specifically developed for industrial applications where efficiency, repeatability, and process reliability are paramount. Combined with modern robot control systems, it enables precise cutting results with fully automated processes.

Reliable in continuous operation

Designed for 24/7 continuous operation on a robot, the ERG-1500 impresses with its high durability and consistent performance. It is the ideal solution for production environments with high demands on availability and process stability.

Versatile applications

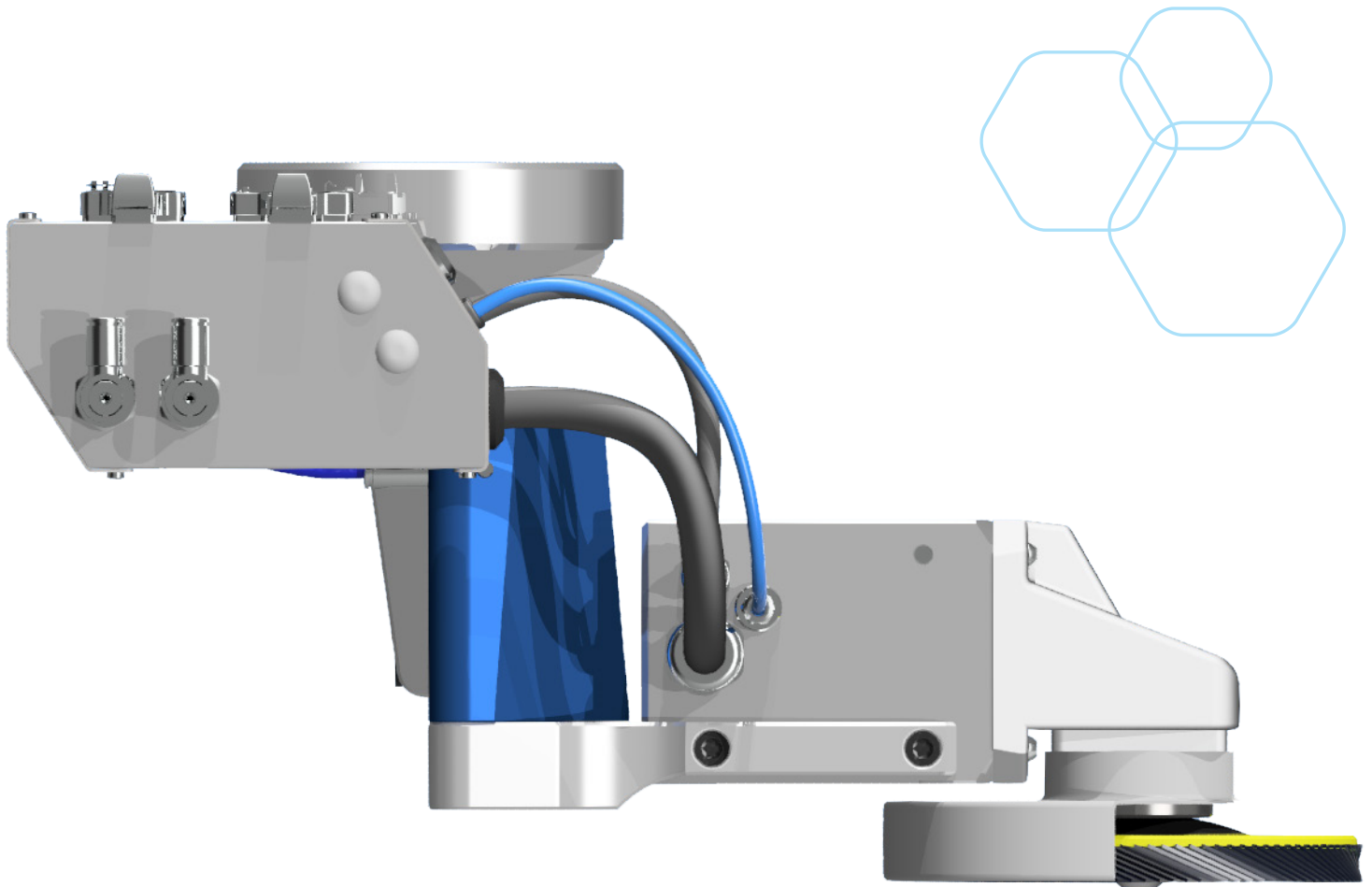
The robotic grinder is suitable for precise and automated grinding of a wide variety of materials, including: Metals, wood, and plastics.

This makes the grinder extremely versatile for a wide range of industrial applications.

High Compatibility

Thanks to various adapters and flanges, the ERG-1500 is compatible with virtually all common cobot and industrial robot models, including: Yaskawa, Fanuc, ABB, KUKA, UR, Eliterobots, etc.

This enables easy integration into existing production lines.



Powerful Drive

The ERG-1500 is driven by a powerful, brushless electric motor. This ensures high efficiency, durability, and low-maintenance operation. For optimal temperature control, the motor is forced-air cooled with filtered air, guaranteeing reliable performance even in continuous operation.

Controlled Contact Pressure for Uniform Material Removal

The tool is equipped with a compensation mechanism with adjustable contact force. The controlled contact pressure ensures uniform material removal and allows for flexible adjustment of the contact force during the grinding process.

This enables flexible adaptation to different applications and requirements.

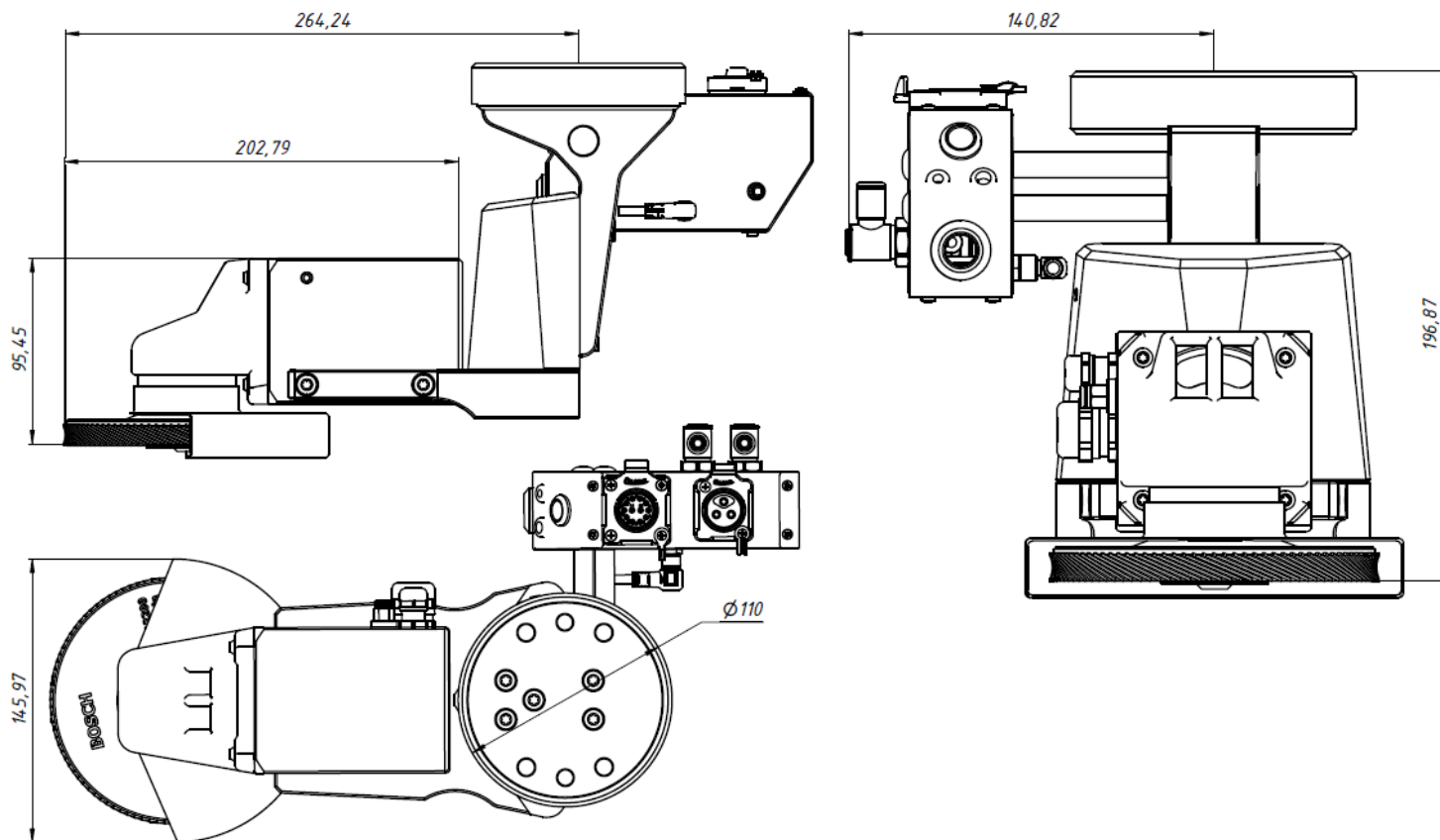
Compact and Robust Design

The robotic grinder impresses with its slim and compact design. The sturdy aluminum housing ensures high resistance while maintaining a low weight of under 6 kg. This makes the robotic grinder ideal for use in automated systems.

Maximum System Availability

Thanks to its modular design, wear parts can be replaced quickly and easily. This significantly reduces downtime and ensures maximum plant availability while minimizing the need for spare parts.

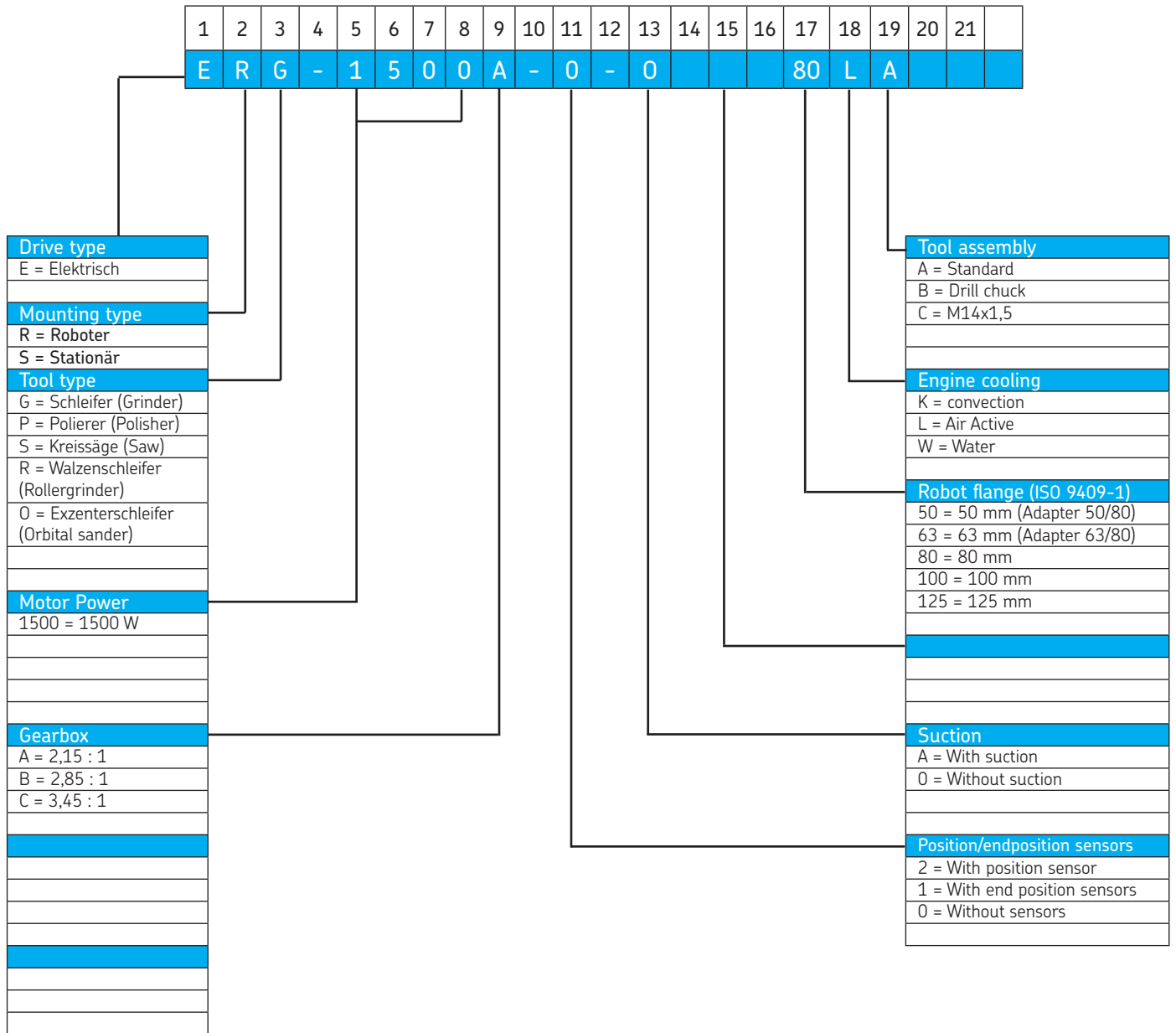
Dimensions and Technical Data



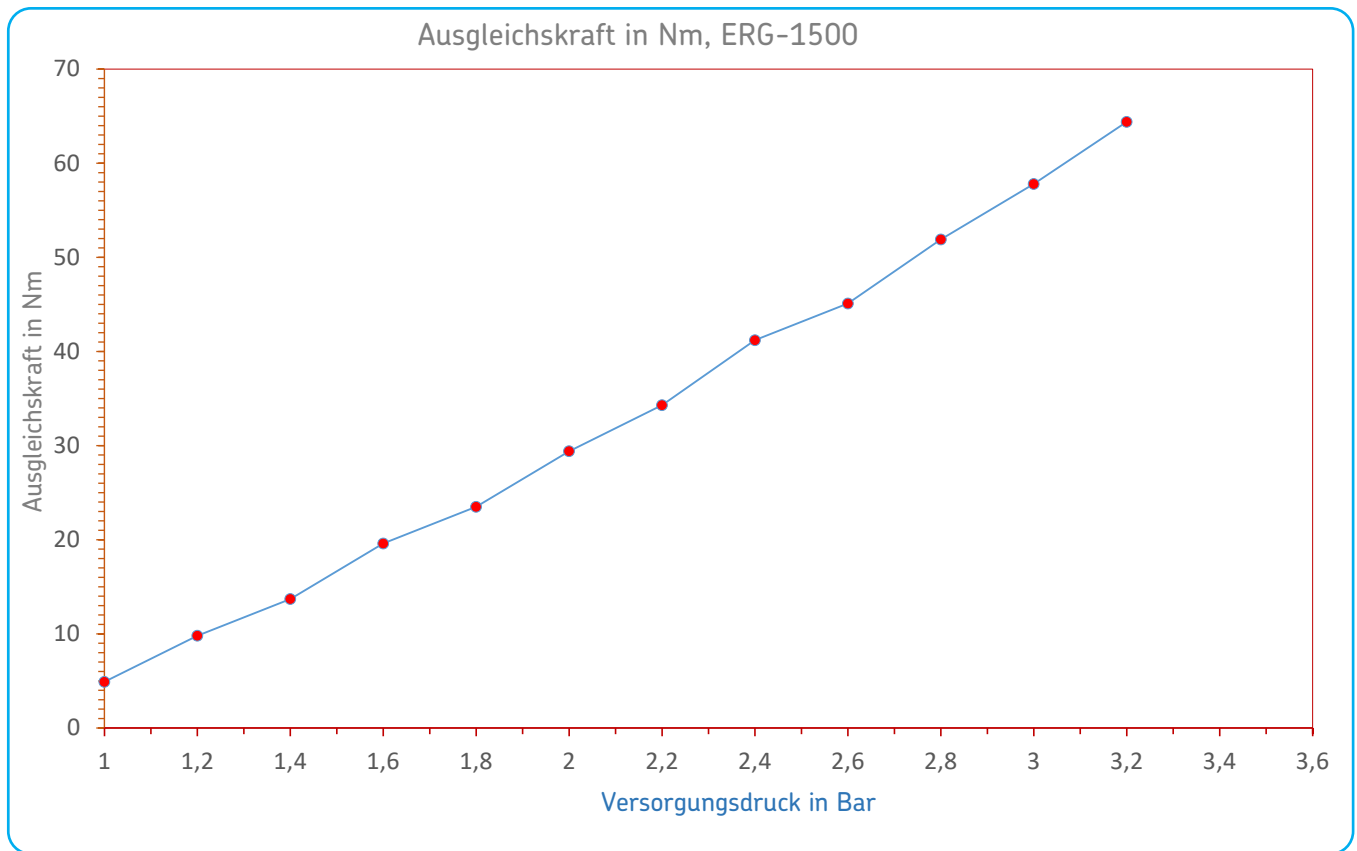
Technical Data :

Designation/Typ		Electrical Robot Grinder ERG-1500
Artikel-Nr.		11004
Disc diameter D	[mm]	125
Motorpower	[W]	1500
Motorspeed (Max.)	[1/min]	8900
Motor type		BLDC
Motor voltage Max.	[Volt]	20
Speed preselection		Stepless
Operating air pressure (motor cooling, Compensation)	[bar]	6,8 (filtered, dry, not oiled)
Standard flange ISO 9409-1		6 x ø80 (Other sizes possible)
Compensatory stroke Z	[mm]	16
Contact force (min.- max.)	[N]	5 - 65
Motorcontroller:		
Supply voltage	[Volt]	230
Rated current max.	[Amper]	10
Control line length	[Meter]	5
Power cable length	[Meter]	5
interface		Digital/Analog (0-10 V)
Weight	[kg]	15
Min./max. Ambient temperature	[°C]	1 - 50
Dimensions B x T x H	[mm]	600 x 400 x 200

Type code



Contact force



Notice

The counterbalancing force can vary from product to product and should only be considered a guideline. The actual force characteristic depends on the installation position and the condition of the product. The counterbalancing pressure should be selected according to the workpiece material, the type of tool, and the amount of material to be removed.

The specified counterbalancing force corresponds to the actual values only when the product is mounted horizontally and the motor is switched off.



K-ROBOTS
Robert Bosch Str. 1
77871 Renchen
Mobil: +49 176 69954407
Mail: info@k-robots.de
www.k-robots.de

