



PRECISION IN MOTION

DRIVE SYSTEMS
MADE TO MEASURE

www.gefeg-neckar.de



INNOVATION

PARTNERSHIP

RELIABILITY



**CHANGE NOW
2 GEFEG!**

DRIVE SYSTEMS MADE TO MEASURE

www.gefeg-neckar.de

Our drives

More than half a century of experience in the development and production of electrical appliances, precision machines and drives has formed a solid foundation for GEFEG-NECKAR Antriebssysteme GmbH.

Today, we are a respected partner to our many customers worldwide when it comes to innovative and customized drive systems. Millions of our drives are being used to reliably drive machines and systems from a diverse range of industries. This has been made possible by the tireless commitment of all our employees, constantly striving to find the best solutions for implementing our customers' wishes with regard to quality and technology. Our customers keep on motivating us to achieve top results.

Although we already provide a wide range of drives, gearboxes and components, we are far from reaching the finish line in technology, for PRECISION is always IN MOTION.





Industries and application examples

We find the solutions for the most complex driving tasks in diverse industries. Such applications make use of our entire engine and gearbox range, including electronics and accessory components.

Traffic and mobility

- Drive systems for wipers and doors, access height adjustment for rail vehicles
- drives for electric wheelchairs
- Drives for rehabilitation devices
- Pump drives

Transportation and logistics

- Self-propelled transport systems (AGVs) in warehouses and logistics
- Conveyor belt drives

Home automation

- Motor for switching in emergency power units
- Door drives for lifts and hoists

Environment and power generation

- Drives for solar panel adjustment
- Drives for blade adjustment of wind power plants

Mechanical engineering and plant construction

- Dispensing system drives for various fields of application
- Actuators for packaging machines
- Drives for coil cradles
- Actuators for automatic assembly machines

Food processing systems and chemical systems

- Dispensing drives or belt drives for dairy / bakery machines
- Band drives for fish filleting machines
- Ice crusher drives

Medical and laboratory technology

- Actuators for operating table adjustment
- Drives for laboratory equipment, rotary tables, dispensing units and lifting devices
- Drives for rehabilitation devices



**SMART, PRECISION
& RELIABLE**

QUALITY IS OUR DAILY DRIVING FORCE

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Quality management

Quality determines our relationships with customers and our business results.

This requires modern quality management covering all corporate units and processes. That is why we have implemented the best possible quality assurance systems for design, production and supply of our products:

- ISO 9001
- DIN6701-2 Approval according (bonding/railway vehicles)
- CCC China Certification Corporation
- UL Underwriters Laboratories

But not only do we place great importance on meeting current standards, we rather constantly strive to set new standards in quality and performance. That is where our efforts are directed day by day.





PORTFOLIO DC AND BLDC/EC MOTORS



Series	Type	Voltage	Power	Speed	Torque	Motor diameter	Motor length
		V	W	rpm	Ncm	mm	mm
G 5	PM	24	13-29	3000	4-9	53	72-112
G 6	PM	24	34-75	3000	11-25	68	92-112
G 8	PM	24	72-95	3000	23-30	83	112
PG 52	PM	24	28-54	3000	28-54	52	96-126
PG 63	PM	24	44-85	3000	44-85	63	94-124
PN 68	PM	24	68-130	3100-3300	20-40	68	95-155
PN 83	PM	24	126-190	3000	40-60	83	116-170
MQ 543	BLDC	24	70	2890	23	53	112
MQ 563	BLDC	24	114	3110	35	53	132
MQ 637	BLDC	24	171	3270	50	68	82
MQ 667	BLDC	24	259	3090	80	68	112
MQ 847	BLDC	48	337	3070	105	83	92
MQ 867	BLDC	48	450	3310	130	83	112
MQ 887	BLDC	48	562	3465	155	83	132
MQC 543	BLDC with controller	24	58	3240	17	53	147
MQC 563	BLDC with controller	24	81	3515	22	53	167
MQC 637	BLDC with controller	24	147	3500	40	68	112
MQC 667	BLDC with controller	24	165	3350	47	68	142
MQC 847	BLDC with controller	48	235	3200	70	83	122
MQC 867	BLDC with controller	48	274	3490	75	83	142
MQC 887	BLDC with controller	48	326	3660	85	83	162

Notes

Have you not found the motor you are looking for? Do you need different performance values? Just contact us and we will configure the drive solution to suit your needs.

Legend: PM = permanent magnet motor, BLDC = brushless DC/EC motor

PORTFOLIO

AC

MOTORS

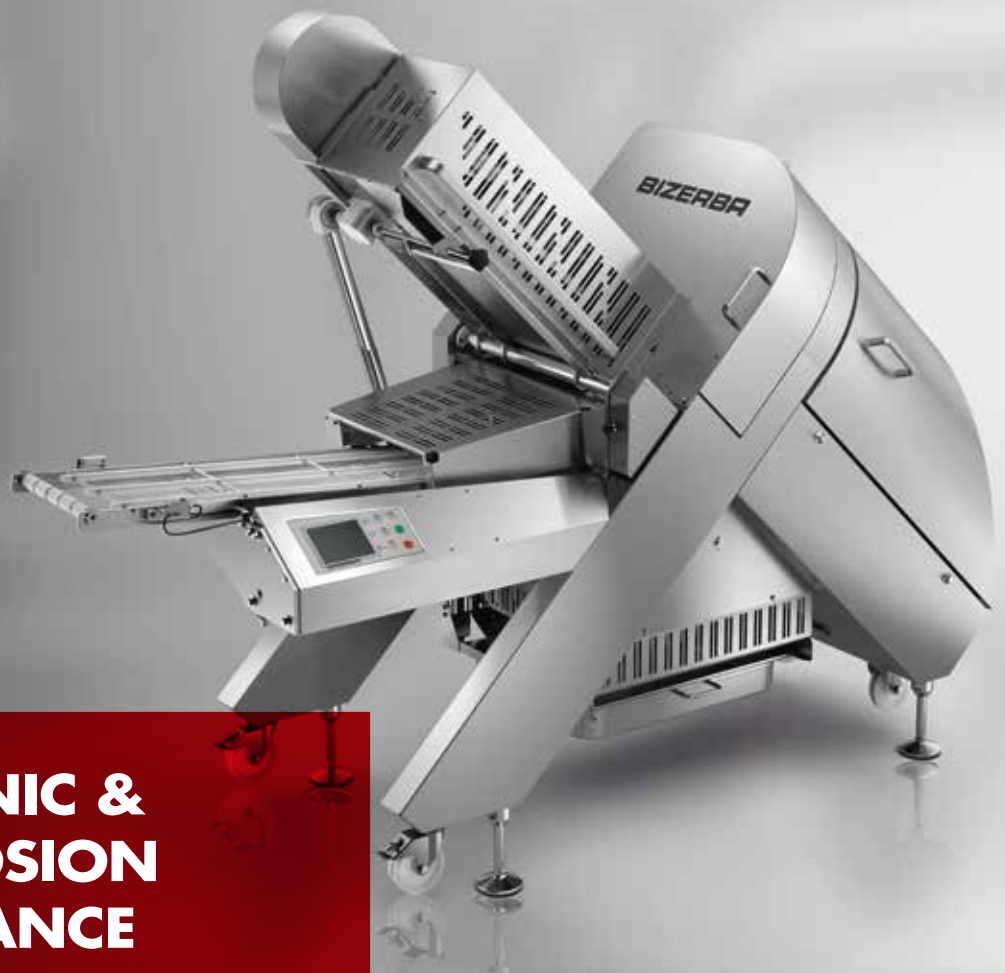


Series	Type	Voltage	Power	Speed	Torque	Motor diameter	Motor length
		V	W	rpm	Ncm	mm	mm
K 5	1phase	230	1-12	1200/2600	1-5	53	72-112
K 6	1phase	230	4-22	1250/2650	4-10	68	72-112
K 8	1phase	230	10-80	1300/2700	8-30	83	72-132
K 95	1phase	230	78-187	1300/2700	57-78	95	140-160
ES 71	1phase	230	17-97	1300/2700	11-34	70	80-120
ES 86	1phase	230	54-230	1350/2750	38-80	85	108-133
ES 90	1phase	230	100-450	1350/2750	72-160	95	122-162
D 5	3 phases	400	2-19	1200/2600	2-7	53	72-112
D 6	3 phases	400	5-40	1250/2650	4-15	68	72-112
D 8	3 phases	400	16-100	1300/2700	12-36	83	72-132
D 95	3 phases	400	92-210	1300/2700	55-90	95	140-160
Dg 71	3 phases	400	12-90	1350/2750	9-31	70	118-138
DS 90	3 phases	400	106-500	1350/2750	77-177	90	122-162



Notes

Have you not found the motor you are looking for? Do you need different performance values? Just contact us and we will configure the drive solution to suit your needs.



**HYGIENIC &
CORROSION
RESISTANCE**

DRIVES MADE OF STAINLESS STEEL

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Stainless steel drives are chosen for various applications, including food industry, chemical industry, pharmaceutical industry, process technology and clean room technology.

Product benefits

- Suitable for use under extreme environmental conditions (atmosphere containing salt, acid or base)
- Use in critical application areas (pharmaceutical and food industry)
- Smooth surface, no accumulation of particles, therefore easy cleaning
- Ideal design – compact, powerful. Closed housing, cooling by convection
- Suitable for use in water, oil or emulsion
- Nearly any type of motor is possible (AC, BLDC / EC)
- High stability (corrosion resistance, sterile)

Materials

- Food-grade stainless steel
- Food-grade lubricants
- Special materials on request

Applications (examples)

- Belt drives
- Positioning drives
- Pump drives
- Dispensing drives
- Actuators



PORTFOLIO

GEARS & ACCESSORIES

ELECTRONICS, BRAKES, ENCODERS

Series	Type	Gear reduction ratio <i>i=</i>	Max. output torque <i>Nm</i>	Diameter <i>mm</i>	Length <i>mm</i>
Z 5	SPG	4.6-194	1-3.3	53	35
Z 6	SPG	4.8-279	2.5-7	68	49
Z 8	SPG	5.6-279	3-12	83	61
Z 89	SPG	5-810	0.7-6	70	57
M 7	SPG	5.6-279	3-12	70x70	60
M 10	SPG	5-260	10-30	100x100	83
M 189	SPG	4-1418	2.5-15	100x100	60-80
S 345	WG	2.2-60	1-1.9	49	37
S 567	WG	3.6-100	1.6-3.2	50x75	60
S 668	WG	2.5-100	4.4-10.7	60x85	60
S 769	WG	2.8-90	6.6-16.1	70x90	60
GS 1	WG	3-68	2.2-3.9	51x46	51
GS 3	WG	2.5-100	4.4-10.7	62x70	71
SC 401	WG	6.8-80	20.1-30.1	80x90	88
PM 30	PLG	4-2076	0.75-4.5	32	72-72
PM 40	PLG	3.7-308	3-15	42	59-85
PM 50	PLG	3.7-308	4-25	52	74-102
PM 60	PLG	3.7-308	8-50	62	77-109
PM 80	PLG	3.7-308	20-120	81	95-139

SPG = spur gear, WG = worm gear, PLG = planetary gear

ELECTRONICS

Also possible for positioning control | bus system: Can Open / Ether Cat / Profi Bus / Profi Net

Type	Voltage <i>V</i>	Motor type	Internal power <i>A</i>	External power <i>A</i>	Protection class <i>IP</i>
4Q controller	24/48	DC and BLDC	Up to 20	35	40-65

BRAKES

Special voltage ratings and other braking torques on request

Type	Voltage <i>V</i>	Braking torque <i>Ncm</i>
Closed-circuit brake	230 AC 24 DC	20-80 20-200

INCREMENTAL ENCODERS

Other encoders, both incremental and absolute, on request

Voltage <i>V</i>	Pulse number	Tracks	Protection class <i>IP</i>
5	50-1024	2-6	00 to 65

CANopen®

EtherCAT®

PROFI®
BUS

PROFI®
NET



**INNOVATIVE
& UNIQUE
SOLUTIONS**

WE ARE DESIGNING THE DRIVES OF TOMORROW

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Motor design and application engineering

Our design and application engineers are working today on the drive solutions of tomorrow, with the objective of helping successful companies become even more successful through our automation and drive technology. We are paying close attention to our customers' wishes, needs and requirements already at the very early stage of design.

Detailed technical specifications are an indispensable prerequisite for achieving this objective. We are focused on having a close and personal relationship with our customers, allowing us to understand their needs and implement innovative solutions to satisfy these needs. In doing so, we put emphasis on reliability and flexibility supported by qualified engineers who combine professional experience and latest CAD and calculation technology.

Our key objectives in designing drives:

- ... easy integration with customer systems,
- ... compact and powerful design,
- ... operation at high constant load/long service life,
- ... silent and convenient operation,
- ... enabling full control,
- ... safe, reliable and easy use,
- ... maintenance-free operation,
- ... perfect price-performance ratio.





**GLOBAL & LOCAL
ALWAYS CLOSE 2
OUR CUSTOMER**

PARTNERS WORLDWIDE

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Networked globally!

GEFEG-NECKAR Antriebssysteme GmbH has an extensive network of representatives and distributors across Europe. This allows us to ensure excellent customer care through our local partners, who provide advice on the entire GEFEG-NECKAR product range and act as a link between customers and our design and application engineering team.

Seeking to cultivate a close relationship, GEFEG-NECKAR headquarters is closely interlinked with its distributors, thus always ensuring short distances.

This is an important competitive advantage in terms of counselling, production, design and service. As a matter of course, our representatives present themselves as fully-fledged engineering partners. As highly qualified professionals with industry-specific knowledge, they strive for the success of their products, always trying to find the most competitive and technologically optimized solution.

We are well prepared to accept the challenge of meeting your requirements.



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**GET IN TOUCH WITH US
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CONTACT

