



STEINLEN
ELEKTRISCHE ANTRIEBSTECHNIK



MOTOX[®] / MOTOX[®]-N
GEARMOTORS

***WE CREATE
MOTION***

CEO STATEMENT



MOTOX® - an application virtuoso, an all-rounder across industries.

Solutions that just work are needed in times of ever rising standardizing. MOTOX® is also economically viable due to its extensive adaptability, flexibility, efficiency, and design advantages, including robustness, compactness, service options, and adaptability. You are responsible for the assignment; we provide the solution through MOTOX®.

JONAS LEFFERS, CEO



SUCCESSFUL FULL-SERVICE PROVIDER

HIGHEST LEVEL OF ENGINEERING

Steinlen Elektromaschinenbau GmbH, which is situated in Burgwedel, Lower Saxony, has a history of 115 years of success. Karl Schäfer set the groundwork for a modest armature winding shop in 1905.

The company has evolved from a conventional craft business to a comprehensive provider of solutions in electrical engineering and drive technology since then. Currently, the reference list comprises more than 2000 distinguished clients from a diverse array of industrial sectors.

Consulting and sales, in-house production, repair and maintenance, and warehousing comprise the scope of services. Modernization, system expansion, project planning, and special construction complete the portfolio.

TRADITION-BASED INNOVATION

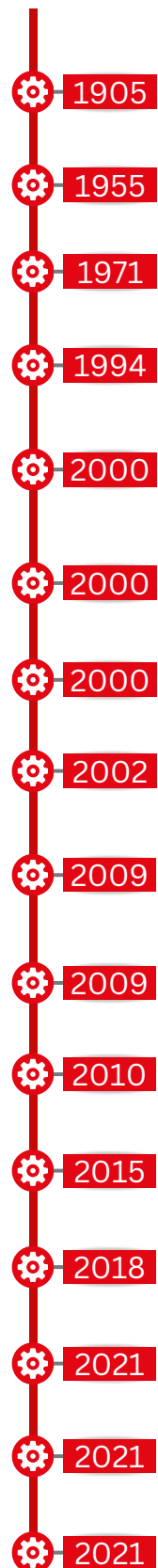
With a plethora of business experience, Steinlen Elektromaschinenbau GmbH prioritizes economic and environmental considerations. These include the obligation to ensure that our products comply with all regulations regarding chemicals, hazardous substances, and conflict minerals (REACH, RoHS, etc.) and to demand compliance from our suppliers. Additionally, they involve consistent maintenance and servicing to prevent costly repairs and downtime. Furthermore, it is imperative that we regulate and limit the release of pollutants into the atmosphere (VOC balance) and consistently decrease our waste production, which includes special refuse, landfill waste, and recyclables.

We have maintained our regional roots and traditional values as one of the oldest specialist guild companies in Germany, despite our obvious industrial focus. This is why it is crucial for us to preserve direct consumer contact, even in the face of Industry 4.0 and digitalization. We are certified under the international ISO 9001:2015 standard, and our compliance is regularly monitored and confirmed through audits.



OUR HISTORY

We are proud to look back on over 100 years of company history.

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- 1905** The company is founded by **electrical engineering master technician Karl Schäfer** in Hanover.
 - 1955** **Authorized workshop** of **Eberhard Bauer GmbH** and today an authorized Bauer Gear Center.
 - 1971** The company is taken over by **Joachim Steinlen**.
 - 1994** Today Kendrion (Villingen) GmbH **licenses manufacture** of electromechanical brakes and clutches for **Binder**.
 - 2000** Production of self-adjusting slip ring multi-disc clutches and multi-disc brakes **under license** for **ZF**.
 - 2000** Sales and service of frequency inverters for Danfoss GmbH as **Danfoss Drives Centre**.
 - 2000** **DT1-DT4** drum motor license manufacture for Danfoss Bauer, currently **Bauer Gear Motor GmbH**.
 - 2002** **License manufacture** of **G79 and G96** gear motors for Danfoss Bauer, presently Bauer Gear Motor GmbH.
 - 2009** Takeover of **Gebr. Wittmann GmbH**, Hamburg (oldest approved workshop of Bauer Gear Motor GmbH - since 1952).
 - 2009** **License production** of permanent magnet motors series **PM** for Danfoss Bauer today Bauer Gear Motor GmbH.
 - 2010** Foundation of the **Steinlen Polska Sp. z o.o.**
 - 2015** Takeover of **Elektrotechnik Jantzen GmbH, Bremerhaven**.
 - 2018** **Takeover of the production** of **Motox®-N** geared motors for Siemens AG.
 - 2021** Sales and service partner for **Drives & Motion** of **Siemens AG**.
 - 2021** Solution Partner for **Automation Drives** of **Siemens AG**.
 - 2021** Takeover of the **Motox®-N** geared motor series from **Siemens AG**.

MOTOX® GEARED MOTORS

CONSISTENT DRIVE TECHNOLOGY THROUGH TO MECHANICS

Complete geared motor portfolio

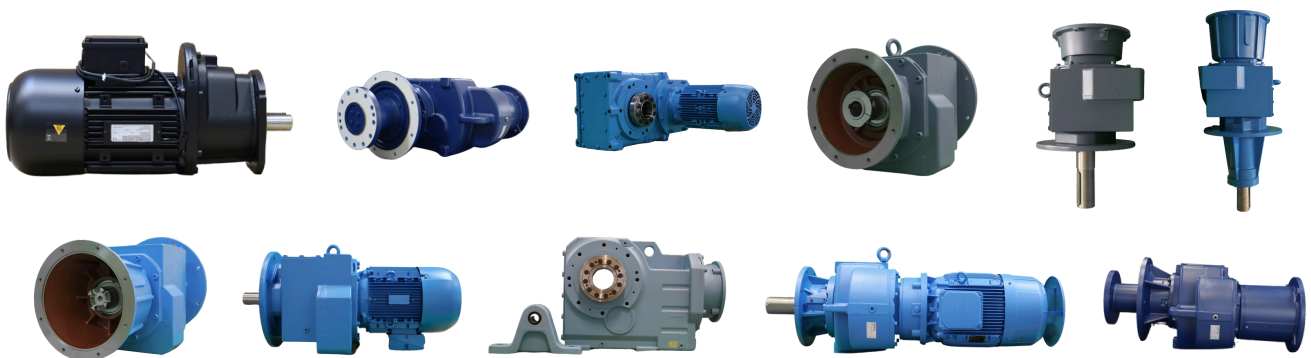
The MOTOX® geared motor variants are distinguished by their extensive array of potential combinations.

- Helical-geared motors
- Parallel shaft geared motors
- Helical bevel geared motors
- Helical worm geared motors

Additionally, you will discover additional unique solutions for industrial applications:

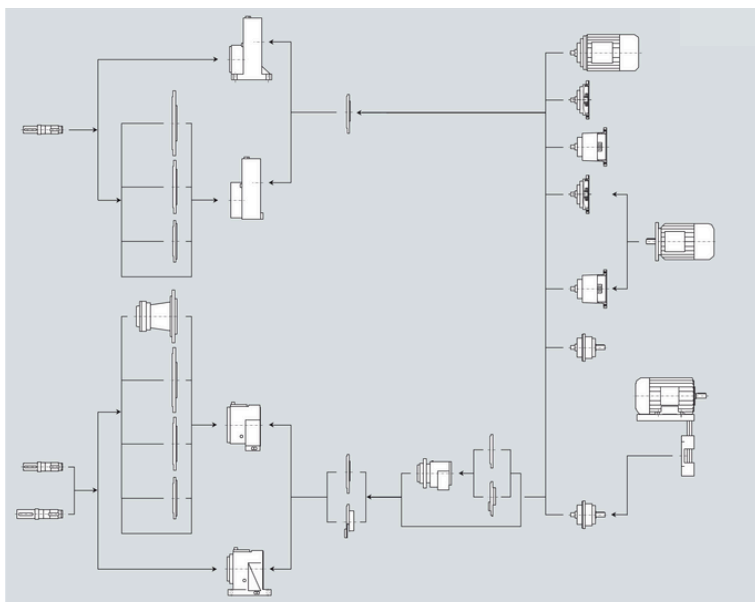
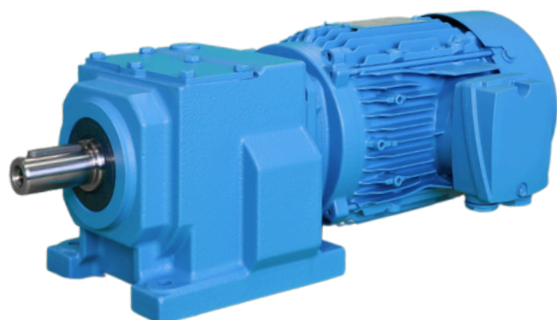
- Extruder Drives
- Cooling tower motors
- Agitator and mixer motors
- Monorail Drives

Additionally, we are capable of providing **explosion-proof ATEX** geared motors for zones 1, 2, 21, and 22.



MOTOX®

HELICAL GEARED MOTOR

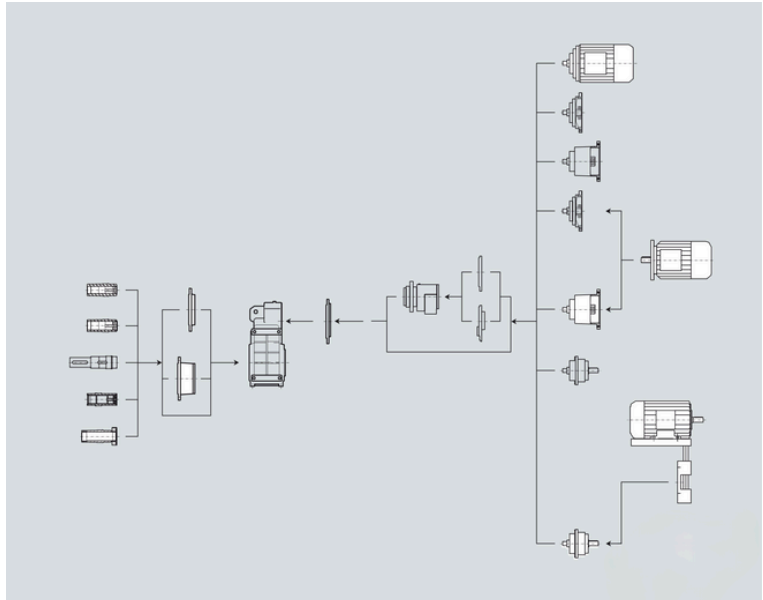
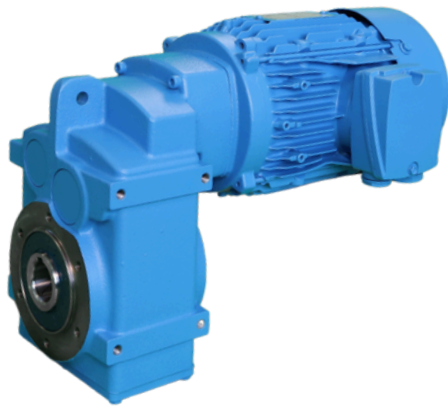


TECHNICAL OVERVIEW

Gearbox sizes	E38 to D188
Housing material	Gray cast iron
Rated power	0,12-200 kW
Nominal torque	32-20000 Nm
Ratio	1.36-71317
Construction sizes	7 as single-stage gearbox, 9 as two-stage or three-stage gearbox
Efficiency class	IE2, IE3, IE4
Types of construction	Foot, flange, housing flange, foot/flange combination
Customized versions	Agitator lantern, cooling tower design, suspension spring, oil cooler, electrical oil level monitoring, heater
Output shaft bearing	Normal, radially or axially reinforced bearing
Sealings	NBR, Viton, combination shaft seal
Drive types	Motor, short-, clutch-, servo-adapter, motor bracket, free drive shaft
Thermal monitoring	Motor side: (PTC pre-warning, PTC switch-off, PT100, PT1000, bimetal opener, KTY) ; Gearbox side: (PT100)
Protection class	Up to IP68
Surface protection	C1 to C5
Ambient temperature range	-40 to +60°C

MOTOX®

GEARED MOTORS WITH PARALLEL SHAFTS

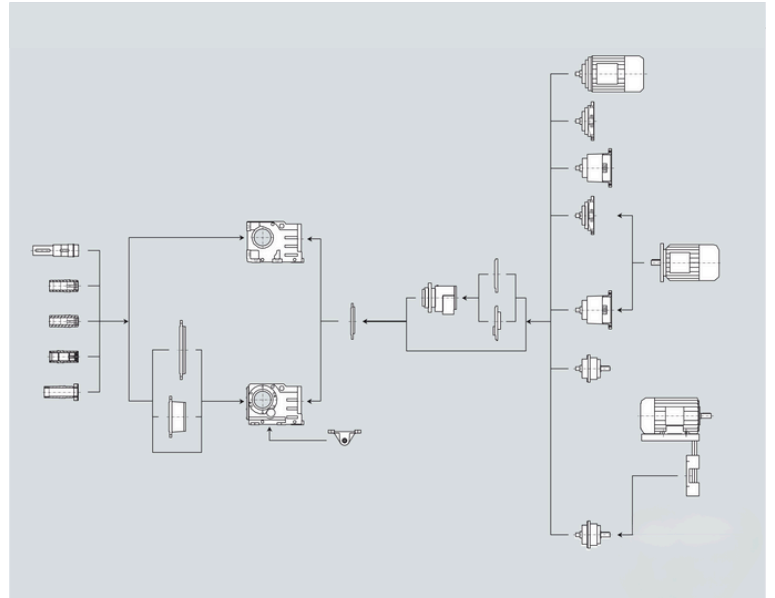
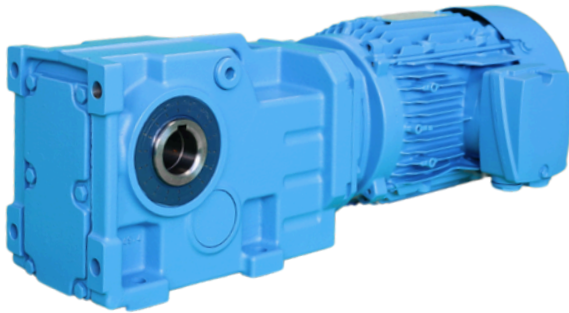


TECHNICAL OVERVIEW

Gearbox sizes	F38B bis F208
Housing material	Gray cast iron
Rated power	0,12-200 kW
Nominal torque	210-34000 Nm
Ratio	3.80-71388
Construction sizes	10 as two- or three-stage gearbox
Efficiency class	IE2, IE3, IE4
Types of construction	Foot, flange, housing flange or torque arm
Customized versions	Mixer design, extruder design, second output shaft end, oil cooler, electrical oil level monitoring, heater
Output shaft bearing	Normal or radially reinforced bearing
Sealings	NBR, Viton, combined shaft seal or labyrinth seal
Drive types	Motor, short-, clutch-, servo-adapter, motor bracket, free drive shaft
Thermal monitoring	Motorside: (PTC pre-warning, PTC switch-off, PT100, PT1000, bimetal opener, KTY) ; Gearbox side: (PT100)
Protection class	Up to IP56, IP65
Surface protection	C1 to C5
Ambient temperature range	-40 to +60°C

MOTOX®

HELICAL BEVEL GEARED MOTORS

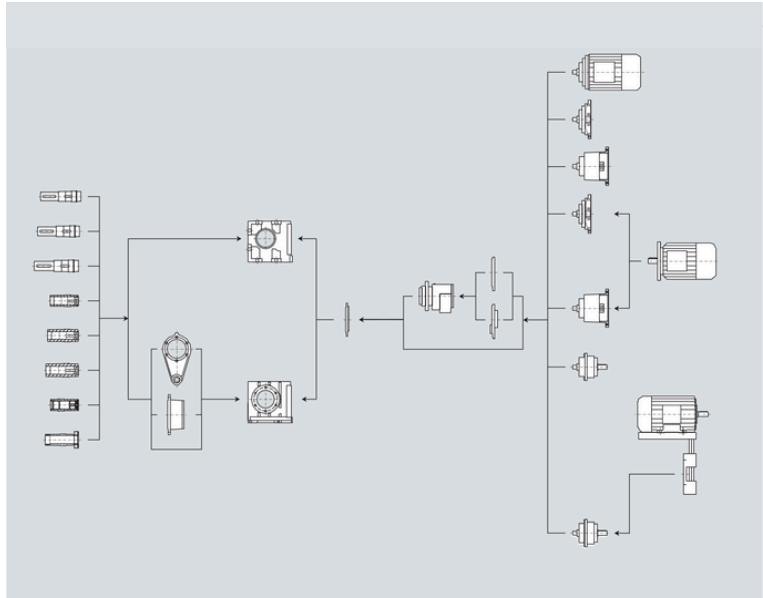
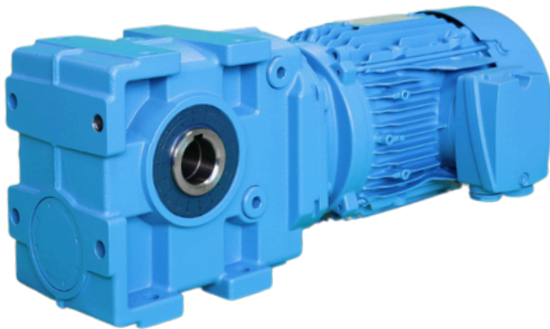


TECHNICAL OVERVIEW

Gearbox sizes	B38 to K188
Housing material	Gray cast iron
Rated power	0,12-200 kW
Nominal torque	148-20000 Nm
Ratio	3.84-60115
Construction sizes	1 as two-stage gearbox, 9 as two-stage or three-stage gearbox
Efficiency class	IE2, IE3, IE4
Types of construction	Foot, flange, housing flange, torque arm
Customized versions	Mixer design, extruder design, second output shaft end, oil cooler, electrical oil level monitoring, heating, backstop on gearbox
Output shaft bearing	Normal or radially reinforced bearing
Sealings	NBR, Viton, combined shaft seal or labyrinth seal
Drive types	Motor, short-, clutch-, servo-adapter, motor bracket, free drive shaft
Thermal monitoring	Motor side: (PTC pre-warning, PTC switch-off, PT100, PT1000, bimetal opener, KTY) ; Gearbox side: (PT100)
Protection class	Up to IP56, IP65
Surface protection	C1 to C5
Ambient temperature range	-40 to +60°C

MOTOX®

HELICAL WORM GEARED MOTORS



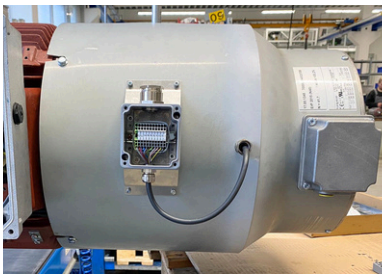
TECHNICAL OVERVIEW

Gearbox sizes	C38 bis C88
Housing material	Gray cast iron
Rated power	0,12-15 kW
Nominal torque	165-1590 Nm
Ratio	9.67-33491
Construction sizes	4 as two-stage gearbox
Efficiency class	IE2, IE3, IE4
Types of construction	Foot, flange, housing flange, torque arm
Customized versions	Second output shaft end, electrical oil level monitoring, heating
Output shaft bearing	Normal or radially reinforced bearing
Sealings	NBR, Viton, combined shaft seal or labyrinth seal
Drive types	Motor, short-, clutch-, servo-adaptor, motor bracket, free drive shaft
Thermal monitoring	Motor side: (PTC pre-warning, PTC switch-off, PT100, PT1000, bimetal opener, KTY) ; Gearbox side: (PT100)
Protection class	Up to IP56, IP65
Surface protection	C1 to C5
Ambient temperature range	-40 to +60°C

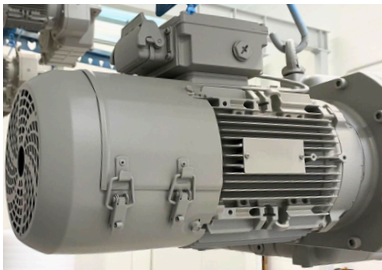
CUSTOMIZED SOLUTIONS FOR YOUR SUCCESS

*For us, special solutions are no challenge at all!
We create customized findings that simplify your
job.*

EXAMPLES OF CUSTOMIZED SPECIAL SOLUTIONS



**Encoder connection box on the fan cowl
with customer-specific encoder connection
diagram.**



**Fan cover with inspection flap for quick
brake checks.**

YOUR BENEFITS

MOTOX® / MOTOX®-N

There is a solution available for nearly every industry. Our modular system, which has been demonstrated effective, allows for maximum flexibility in attractive conditions and a diverse lineup of applications.



OUR COMPANY LOCATIONS

GET IN TOUCH



BURGWEDEL (HANNOVER)

STEINLEN Elektromaschinenbau GmbH
Ehlbeek 21 | 30938 Burgwedel
Telefon: +49 5139 8070-0
Fax: +49 5139 8070-60
E-Mail: info@steinlen.de
Web: www.steinlen.de



BREMERHAVEN

Elektrotechnik Jantzen GmbH
Wittlingstraße 20 | 27572 Bremerhaven
Telefon: +49 471 97201-0
Fax: +49 471 97201-23
E-Mail: info@jantzen-gmbh.de
Web: www.jantzen-gmbh.de



HAMBURG

STEINLEN Elektromaschinenbau GmbH
Am Schiffbeker Berg 18 | 22111 Hamburg
Telefon: +49 40 7320307
Fax: +49 40 7322228
E-Mail: hamburg@steinlen.de
Web: www.steinlen.de



DORTMUND

BOSS-Steinlen Elektromaschinen und
Pumpen GmbH
Planetenfeldstr. 106 | 44379 Dortmund
Telefon: +49 231 982022-0
Fax: +49 231 982022-37
E-Mail: info@boss-gruppe.de
Web: www.boss-steinlen.de



LUDWIGSLUST

STEINLEN Elektromaschinenbau GmbH
Am Industriegelände 9a
19288 Ludwigslust
Telefon: +49 3874 5702 190
Fax: +49 3874 5702 197
E-Mail: ludwigslust@steinlen.de
Web: www.albrecht-antriebstechnik.de



POLAND

STEINLEN Polska Sp. z o.o.
ul. W. Grabskiego 4/8 | 63-500 Ostrzeszów
Tel.: +48 62 73223-50
Fax: +48 62 73223-51
E-Mail: marketing@steinlenpolska.pl
Web: www.steinlenpolska.pl

OUR COMPANY LOCATIONS

GERMANY & POLAND



THIS QUALITY IS DYNAMIC!

REGARDLESS OF WHETHER IT PERTAINS TO PRODUCTION TECHNOLOGY, ASSEMBLY, WINDING, OR TURNING

At STEINLEN, each employee aids in maintaining the highest quality standards. Our employees conduct quality inspections at every stage of the process chain, from incoming products to production and outgoing goods, using cutting-edge measuring and testing technology. Additionally, this encompasses individual part measurements, differential pressure tests, and paint layer thickness measurements, in addition to electrical and mechanical tests and testing in explosion-proof areas.

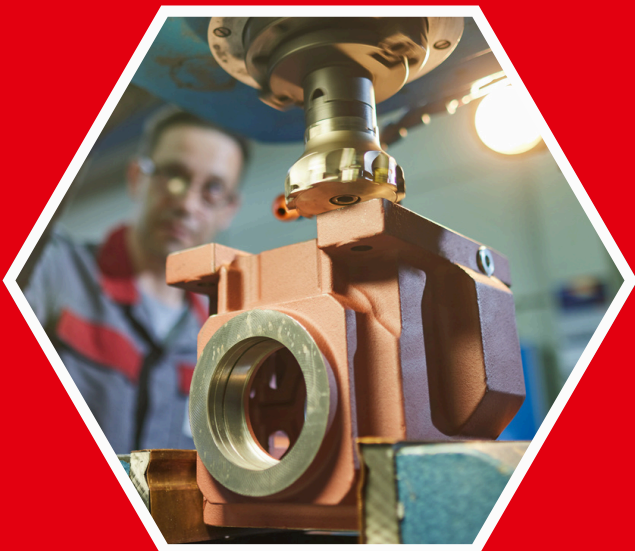
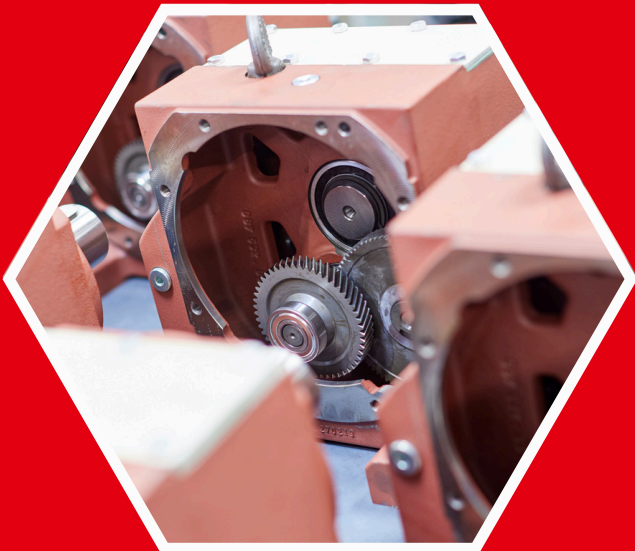
We guarantee that our production process is satisfactory to both employees and consumers by certification of our quality management system in accordance with international standards. Lean manufacturing and Six Sigma components are integrated into the system. The entire process chain can be monitored and controlled with the assistance of these. In addition, we are well-versed in the current standards and their corresponding requirements in the field of VDA, for instance.

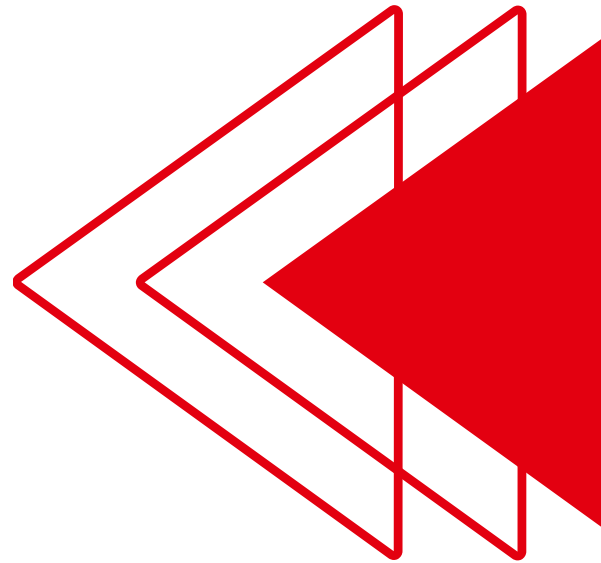
CERTIFICATIONS

■ **DIN EN ISO 9001:2015**

■ **DIN ISO 45001:2018**

■ **DIN EN ISO 14001:2015**





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STEINLEN Elektromaschinenbau GmbH
Ehlbeek 21
30938 Burgwedel
Telefon: +49 5139 8070-0
Telefax: +49 5139 8070-60
E-Mail: info@steinlen.de
Web: www.steinlen.de

This brochure was handed over by:

