



E-Series

Increased Reliability and Proven Design



E-Series



Kumera Corporation

Kumera Corporation is a worldwide manufacturer of industrial machinery and engineering services. The corporation consists of three major operating divisions:

Power Transmission Group provides a comprehensive range of industrial and marine gearboxes for all major process industries. Kumera has more than 50 years of experience as manufacturer of mechanical power transmissions. There are more than 200.000 Kumera gear units in operation world-wide.

Technology Division specializes in state-of-the-art engineering and heavy process equipment for metallurgical and environmental industries. Kumera has successfully performed several modernization projects for metals industry and is a leading manufacturer of industrial steam dryers for copper and nickel smelters and lignite.

Foundry Division with **Peiron Oy** as the leading company produces all types of steel and iron castings, forming a link in the vertical refining chain of Kumera Corporation.

Kumera Power-Plaza is a virtual assistant for designers. Sign in to our **www.power-plaza.com** and design easily the marine and industrial gearboxes you need for your project. Major benefits include 100 % accurate drawings, project blueprints and price!

Kumera Corporation Ltd.

Kumerankatu 2
FI-11100 Riihimäki - Finland
Tel: +358 20 755 4200
Email: kumera@kumera.com

Sales

Please feel free to send your offer request to:
sales@kumera.com
Your message will be answered within
the next business day.

Technology Division

HEADQUARTERS

Kumera Technology Center (KTC)
Kumerankatu 2
FI-11100 Riihimäki - Finland
Tel: +358 20 755 4200
Email: technology@kumera.com

MACHINERY

Kumera Machinery Oy
Kylmäkoskentie 18
FI-37910 Akaa - Finland
Tel: +358 20 755 4340
Email: machinery@kumera.com



Power Transmissions Group

FINLAND

Kumera Drives Oy
Kumerankatu 2
FI-11100 Riihimäki - Finland
Tel: +358 20 755 4200
Email: drives@kumera.com

AUSTRIA

Kumera Antriebstechnik GmbH
Raiffeisenstraße 38-40
A-8010 Graz, Austria
Tel: +43 316 471524-0
E-mail: kumera.graz@kumera.com

NORWAY

Kumera AS
P.O. Box 2043, Gneisveien 11
N-3202 Sandefjord, Norway
Tel: +47 33 485 454
E-mail: sales@kumera.no

CHINA

Kumera (China) Co.,Ltd.
Meifen Road 168
Wusongjiang Development Zone
Kunshan, China
Tel: +86 (0) 512 503 617 01
E-mail: kumerachina@kumera.com

FOUNDRY DIVISION

Peiron Oy - Kokemäki Foundry
P.O. Box 88
FI-32801 Kokemäki - Finland
Tel: +358 20 750 9400
E-mail: info@peiron.com

Emergency Repair Service & Maintenance 24/7

- All major brands and manufacturers

WORLDWIDE EMERGENCY REPAIR SERVICE FOR INDUSTRIAL GEARBOXES

Kumera Drives Oy
Kumerankatu 2
FI-11100 Riihimäki - Finland
Tel: +358 400 300 644
E-mail: service@kumera.com

WORLDWIDE EMERGENCY REPAIR SERVICE FOR MARINE GEARBOXES

Kumera AS
P.O. Box 2043, Gneisveien 11
N-3202 Sandefjord, Norway
Tel: +0047 952 464 60
E-mail: service@kumera.no
www.kumera.no

EMERGENCY REPAIR SERVICE FOR INDUSTRIAL AND MARINE GEARBOXES IN ASIA

Kumera (China) Co.,Ltd.
Meifen Road 168
Wusongjiang Development Zone
Kunshan, China
Mr Eddy Lu
Tel: +86 (0) 512 503 617 01
Fax: +86 (0) 512 503 617 10
E-mail: kumerachina@kumera.com
www.kumera.cn



Kumera Partners

With over 60 years of experience, Kumera is known as a global leader in industrial gear unit manufacturing and innovation. Building on that knowledge and resources, we have put together a global sales and support team designed to help you find the correct product and service.

Located on 3 continents and in 11 countries, our dedicated partners work to ensure that you receive the trusted service, products, and spare parts no matter where you are.

Asia

INDONESIA

WLJ International Pte Ltd.
370H Alexandria Road
03-10, THE ANCHORAGE
Singapore 159961
Wesley Lim
Mobile: +65 9672 0215
Tel/Fax: +65 6473 6005
Email: indonesia@kumera.com

MALAYSIA

WLJ International Pte Ltd.
370H Alexandria Road
03-10, THE ANCHORAGE
Singapore 159961
Wesley Lim
Mobile: +65 9672 0215
Tel/Fax: +65 6473 6005
Email: malaysia@kumera.com

SINGAPORE

WLJ International Pte Ltd.
370H Alexandria Road
03-10, THE ANCHORAGE
Singapore 159961
Wesley Lim
Mobile: +65 9672 0215
Tel/Fax: +65 6473 6005
Email: singapore@kumera.com

THAILAND

UPK ASIA Engineering co. Ltd.
28/2 Nimitmai rd.
Minburi, Minburi
Bangkok 10510 Thailand
Tel: +66 2 914 7983-4
Fax: +66 2 914 7985
Mobile: +66 81 827 2664
Email: thailand@kumera.com

Europe

ITALY

F.lli Frediani S.r.l.
Via Dino Andreoli 20
IT-20068 S. LAZZARO DI SAVENA (BO)
Tel: +39 051 625 7086
Fax: +39 051 628 7028
Email: italy@kumera.com
www.fratellifrediani.it

POLAND

M.S. Spinex
ul. Klimontowska 19
PL-04 672 WARSZAWA
Tel: +48 22 512 5035
Fax: +48 22 512 5050
Email: poland@kumera.com
www.msspandex.com.pl

RUSSIA

LesBumMash Ltd.
Tushina Str. 4, Office 3
RU-191119, Saint-Petersburg
Mr Sergey Melentyey
Tel: +7 812 325 22 26
Fax: +7 812 325 35 42
Email: russia@kumera.com

SWEDEN

Atech Transmission AB
Storgatan 17
SE-352 30 VÄXJÖ
Tel: +46 10 212 3700
Fax: +46 10 212 3701
Mobile: +46 705 48 66 80
Email: sweden@kumera.com
www.atechtransmission.se

South America

BRAZIL

TPI Tecnologia e Produtos Industriais Ltda.
Rua José Del Roio
300 Distrito Industrial São João Del Rey
Bairro Uberaba
CEP 12908-844 BRAGANCA PAULISTA/SP
Tel/Fax: +55 11 4035 2222
Email: brazil@kumera.com
www.tpi-br.com.br

CHILE

Maestranza Diesel Ltda.
Santa Elena 1433
6513446 SANTIAGO
Tel: +56 2 550 2000
Fax: +56 2 555 0938
E-mail: chile@kumera.com
www.md.cl

PERU

Maestranza Diesel S.A.C.
AV. Argentina 6190-6194
Callao 1
LIMA
Tel: +51 1 452 6802
Fax: +51 1 464 6027
E-mail: peru@kumera.com

KUMERA E-Series

Increased Reliability and Proven Design



The E-series can be equipped with:

- Heating element
- Separate lubrication unit
- Remote condition monitoring:
Kumera Guar Gear 200

The new E- and SE-series is especially designed for demanding agitator applications in process industry.

The range comprises 15 gear models. Sizes are divided in optimum way to meet required both torque range and ratio requirements.

The maximum output torque is 840 kNm and the maximum ratio is 3550:1.

The range consists of two version options. E-version is being offered as a standard. The parallel SE-model is designed for more demanding applications.

Optimum dimensions for the housing are result of very extensive FEM-analysis.

External radial forces affecting the output shaft extension are specially taken into account when designing the housing and the output shaft and its bearings.

The parts which need to be maintained have been placed in one location to make the service operations faster and easier.

The lubrication of the bearings is always done with filtered oil to guarantee trouble free operation and maximum life time of bearings.

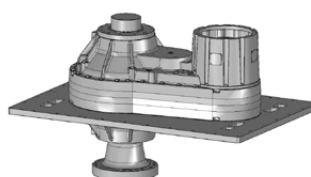
Pressure lubrication system is covering all bearings. The oil nozzles can be maintained without dismantling the gearbox.

The output shaft can be equipped with a key way or a fixed flange. When using a output shaft with fixed flange there is no need to have a separate coupling half.

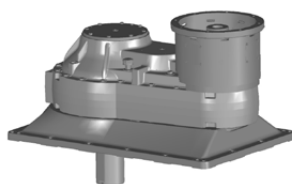
The new E-series has two different foot mounting alternatives. One is casted structure and the other is based on steel plate which can be easily modified according to customer's need.

The sealing options for the output shaft are dry-sump, dry-well or lip seal. Dry-sump sealing is completely service free alternative. Lip seal construction is equipped with leakage oil connections.

According to customer's need the new E-series gearboxes can be delivered completely fitted with additional accessories and compatible with ATEX requirements.



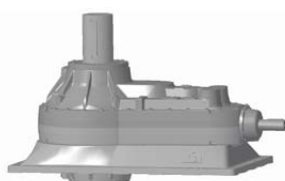
**SEM-gear unit with
mounting plate**



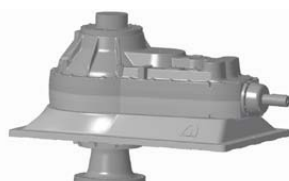
**LEM-gear unit with
casted mounting foot**



**KE-bevel gear unit with
mounting foot**



**KE-bevel gear unit with
casted mounting foot**



**SEK-bevel gear unit with
casted mounting foot**

Feature	Benefits & Values
Mixer gear series with multiple sizes and ratios	Large power range of 200 – 1000 kW
Integrated flange coupling and output shaft	More rigid and reliable structure
Stronger shaft support by higher bearing span for mixer application	Higher bending load carrying capacity of the output shaft
Forced lubrication of all bearings	Cool, clean and filtered lubricant increase bearing reliability
Customized adapter plate for connection	Versatility in final assembly
Special ratios up to 1% of the requested ratio at moderate cost	Easy to select the optimal gear unit for a specific application value for money
A separate lubrication and cooling unit with an oil tank	Simple, standard systems for cooling and lubrication
Optimized tooth profiles using latest calculation tools	Better load distribution and lower dynamic forces reduce stresses and increase gear life
Case-hardened gears	A hard case and through hardened core result in a more wear resistant gear that is capable of handling even high impact loads



POWER-PLAZA.COM

Kumera Power-Plaza is the online market place for Kumera mechanical transmission products and associated spare parts. Power-plaza.com speeds up the process of requesting for quotations. **www.power-plaza.com**

Other Kumera Drive Units



HELICAL GEAR UNITS,
COMPACT F-RANGE



HELICAL GEAR UNITS,
COMPACT G-RANGE



ONE STAGE HELICAL
GEAR UNITS
KUMERA LX-RANGE



HEAVY DUTY HELICAL
GEAR UNITS,
KUMERA D-RANGE



BEVEL GEAR UNITS,
COMPACT F-RANGE



BEVEL GEAR UNITS,
COMPACT G-RANGE



AGITATOR GEAR UNITS,
SG-RANGE



HEAVY DUTY AGITATOR
GEAR UNITS,
E-RANGE



WORM GEAR UNITS,
COVERA RANGE



COMBINATION HELICAL AND
WORM GEAR UNITS,
COVERA RANGE



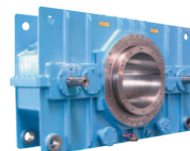
DOUBLE WORM GEAR UNITS,
COVERA RANGE



WIND UP AND UNWIND
GEAR UNITS,
LP-RANGE



ONE STAGE HELICAL
GEAR UNITS,
KUMERA LH-RANGE



YANKEE CYLINDER
GEAR UNITS



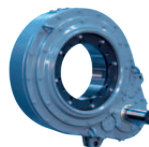
SPECIAL GEAR UNITS



BEVEL GEAR UNITS,
KA-RANGE



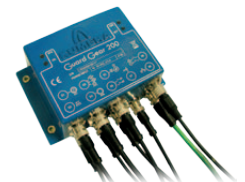
FRONT END GEAR UNITS,
NORGEAR-RANGE



INTEGRATED ROLL
GEAR UNITS,
TP-RANGE



PLANETARY
GEAR UNITS,
P-RANGE



CONDITION MONITORING
GUARD GEAR 200

KUMERA POWER TRANSMISSION GROUP

KUMERA DRIVES OY

Kumerankatu 2
FI-11100 Riihimäki
FINLAND
Tel. +358 20 755 4200
Fax: +358 20 755 4220
E-mail: drives@kumera.com

KUMERA AS

P.O. Box 2043
N-3202 Sandefjord
NORWAY
Tel. +47 33 48 54 54
Fax: +47 33 48 54 55
E-mail: sales@kumera.no

KUMERA ANTRIEBSTECHNIK GMBH

Raiffeisenstrasse 38-40
A-8010 Graz
AUSTRIA
Tel. +43 316 471 524-0
Fax: +43 316 462 550
E-mail: kumera.graz@kumera.com



KUMERA (CHINA) CO., LTD.

168 Meifeng Road
Kunshan 215300, Jiangsu
CHINA
Tel. +86 512 503 61701
Fax: +86 512 503 61710
E-mail: kumerachina@kumera.com