





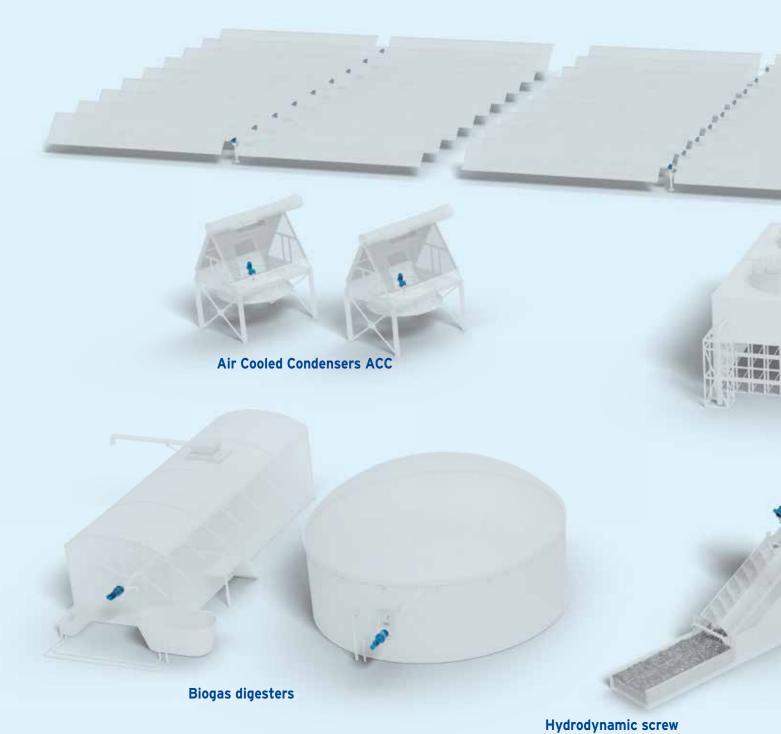


Green transition requires products with manufacturing improved efficiency, proper of Rossi skillness and attitude. Lubrication patented design helical gearmotors for ACC and or bevel helical gear units both with monolitic casing, CTI compliant, provides a full range of drives for Cooling Tower and ACC applications.

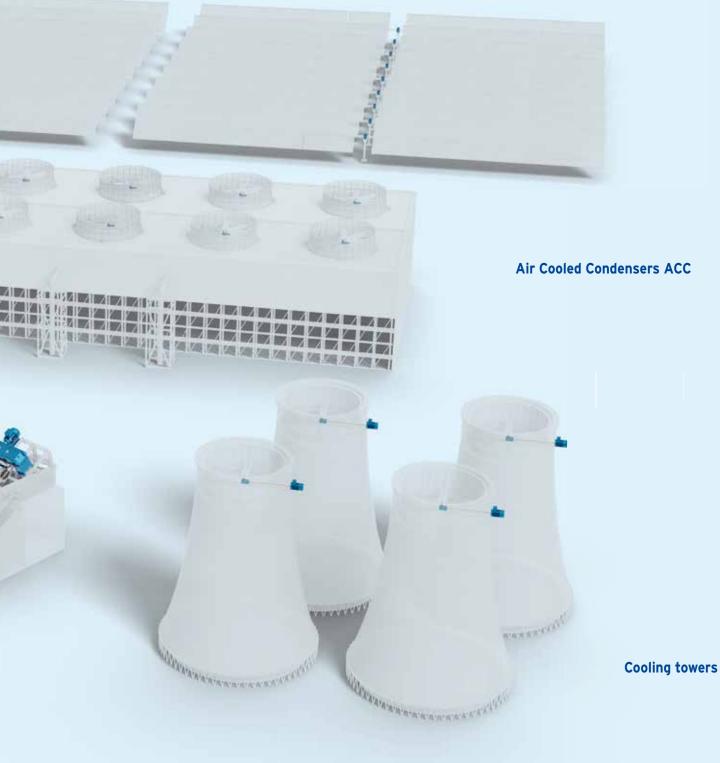
Following sector requirement, the 3 years standard warranty on the entire range of gear units can be provided with an extension option when needed. Low noise level as well as low running temperature are certified by the running test on load performed at the end of the assembly line with the gear unit installed in the application correct mounting position.



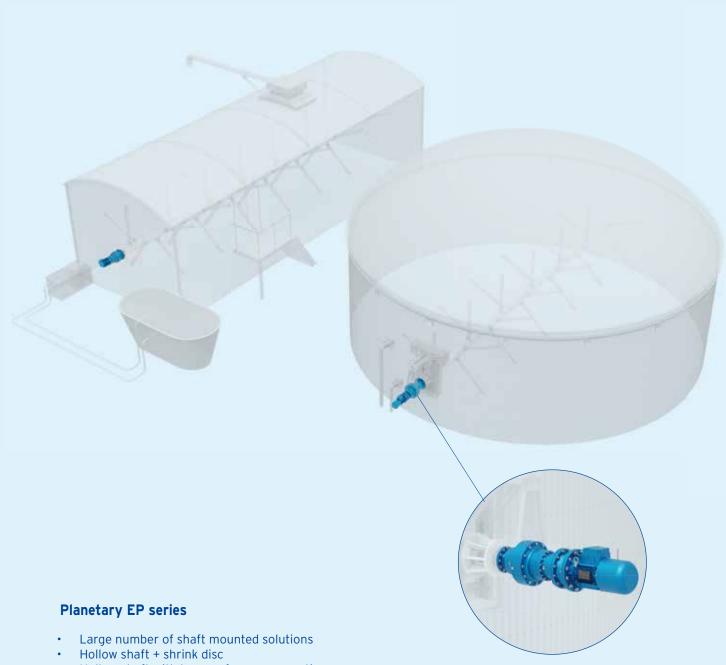




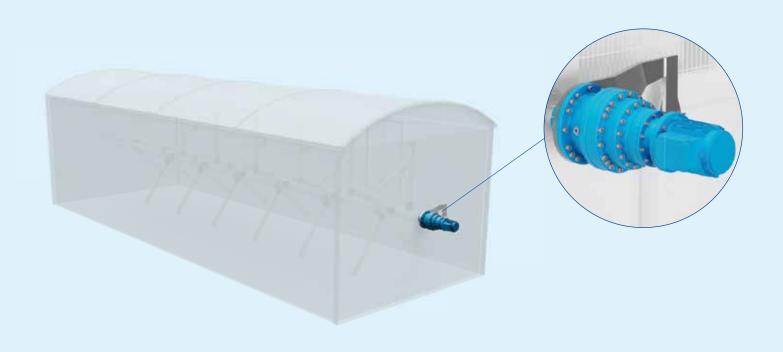


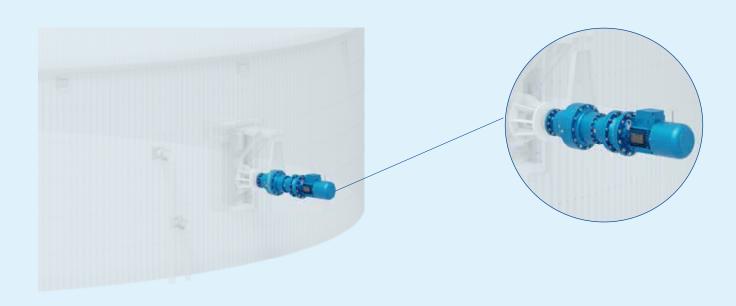


# **Biogas digesters**



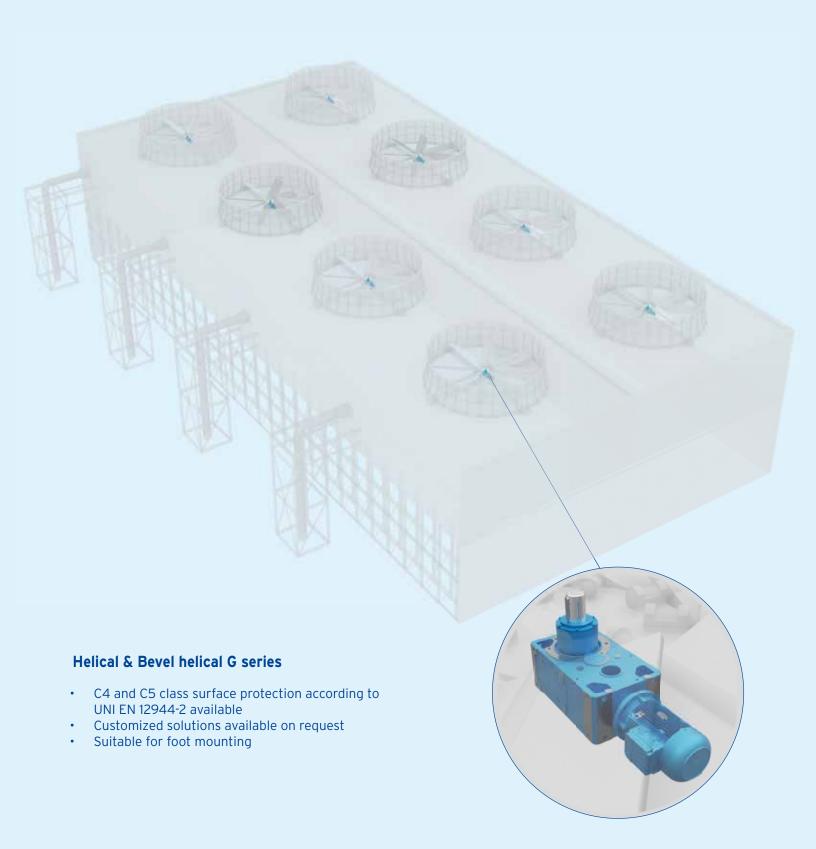
- Hollow shaft with keyway for easy mounting
- Integrated or loose wheel flange for easy maintenance and space saving
- Torque arm (cantilever)







# **Air Cooled Condensers ACC**



### **Air Cooled Condensers ACC**



- Helical gearboxes in vertical mounting position
- High reliability, AGMA service factor > 2 according to CTI 167
- Long life, bearings calculated life time > 100,000 h according to CTI 167
- (Patented) oil bath lubrication system
- Electric motor bell housing with axial fan and heat exchanger for gearbox cooling
- Integrated foot mounted housing
- Patented lubrication circuit: no pressure, with slave pump, reduced oil quantity, and all oil bathed bearings
- Possibility of bidirectional oil slave pump
- Increased gearbox thermal capacity
- Possiibility of cold starting from to -15 °C and oil temperature pre-heating
- Lower output shaft bearing protected with dry well solutions

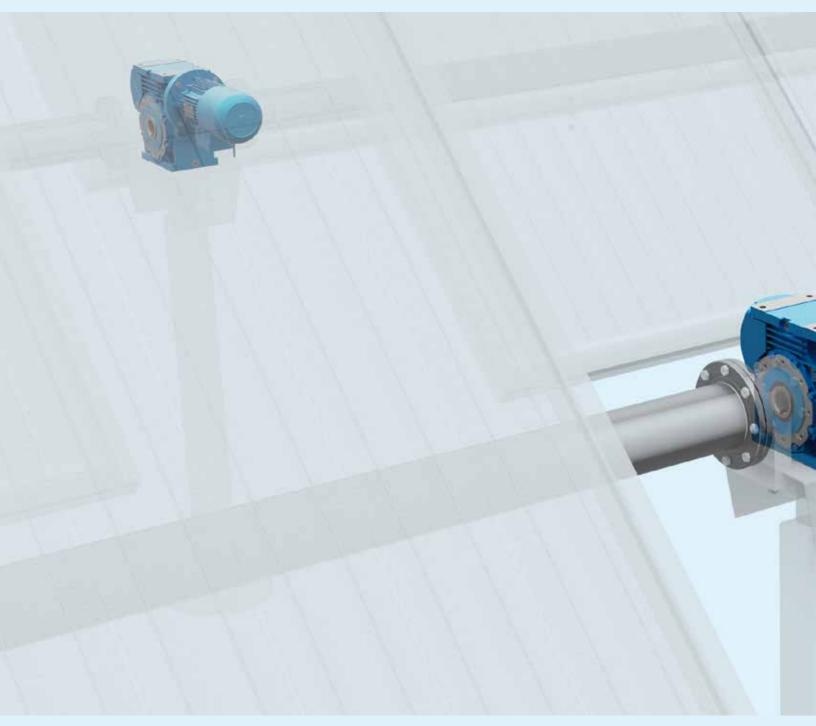


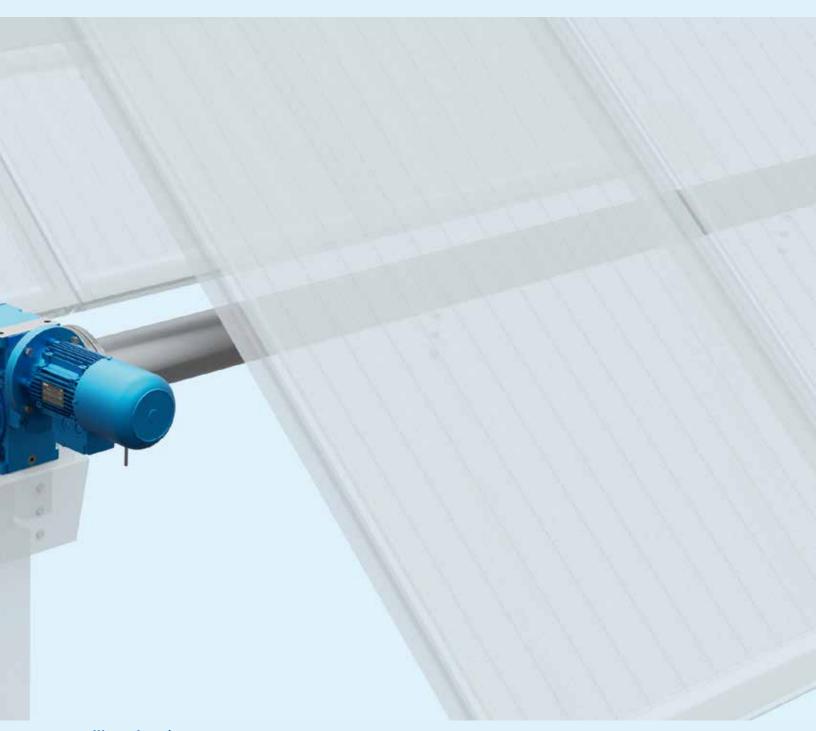


#### Helical & Bevel helical G and H series

- C4 and C5 class surface protection according to UNI EN 12944-2 available
- Customized solutions available on request
- Suitable for foot mounting

# **Solar tracker**





#### Worm A series

- Universal mounting with integral feet Rigid and precise cast iron single piece housing

#### **EP Series**

#### Planetary gear reducers & gearmotors

24 sizes 001 ... 3,000 Nominal torque ( $T_{\rm N2}$ ) up to 26,550,000 lb in Transmission ratio ( $i_{\rm N}$ ) 3.55 ... to unlimited

#### **Features**

- · Multiple input stages in inline or right angle configurations
- · Modular design
- Suitable with NEMA, IEC motors or hydraulic input
- Final stage gear set case carburized & ground with nitriding on internal sun gears
- GLEASON spiral bevel gear pairs with ground profile
- Very compact size
- · Wide range of accessories and non-standard designs
- · Low backlash, enhanced stiffness and heavy duty bearings as a standard
- · Wide range of hydraulic brakes
- Optional synthetic oil for food industry

#### **Benefits**

- Easy and functional flange, foot, or shaft-mounting design
- · High torque transmitted
- Extended range of transmission ratios



#### **EP Slewing Series**

#### Planetary Slewing drives

10 sizes 007 ... 250 Nominal torque ( $\rm M_{N2}$ ) up to 3,540,000 lb in Transmission ratio ( $\rm i_{N}$ ) 12.5 ... 2,800

Excellent specific series from the standard EP series

#### Additional features

- 10 modular sizes
- 3 different output supports: Dual pilot flange (R), Dual compact pilot design (S), single pilot flange (H)
- · Loose or integral slewing pinions available
- Wide range of hydraulic brakes

#### Additional benefits

· Wide range of drives allows for very high performance while being cost-efficient



#### **G** Series

#### Helical & bevel helical gear reducers & gearmotors

20 sizes 40 ... 401 Nominal torque ( $T_{N2}$ ) up to 900,000 lb in Transmission ratio ( $i_N$ ) 2 ... 160

#### **Features**

- Single piece cast or ductile iron housings available. Machine face on all 4 sides
- Wide range of sizes & ratios available
- Suitable for NEMA or IEC motor inputs
- Extended housing design for large center to center distance requirements
- Case carburized gear sets
- Helical gear pairs with ground profile
- Ground GLEASON spiral bevel gear set
- Bell housing for IEC and NEMA motors available

#### **Benefits**

- Modular design allows for flexibility in mounting positions
- Minimum maintenance requirements
- High performance and reliability
- Strength and reliability for heavy duty applications



#### **G** Series

Agitator output design for Cooling towers and ACC



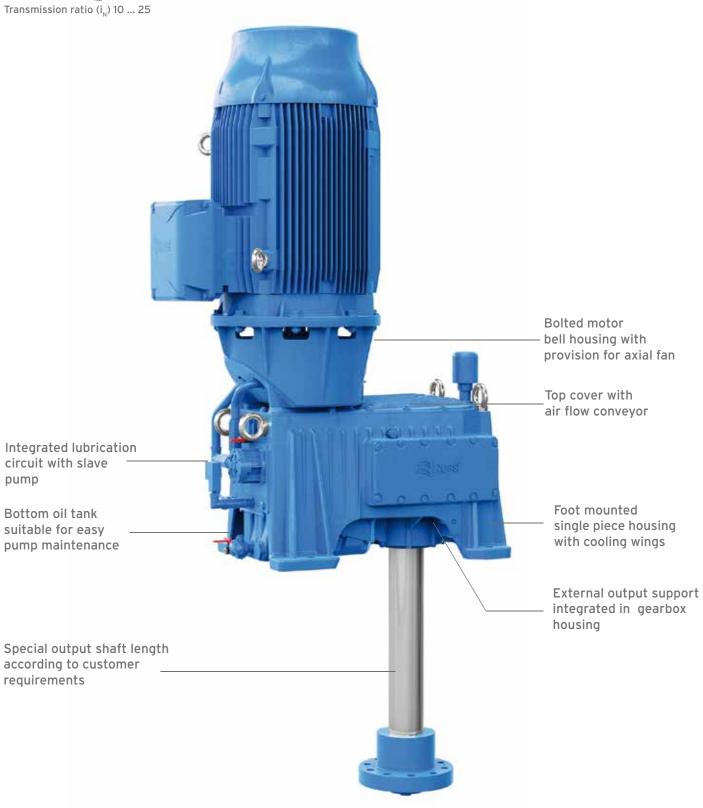




#### **PP5A** design

for ACC

4 sizes 250, 280, 320 and 360 Nominal torque ( $M_{\rm N2}$ ) up to 663,800 lb in Transmission ratio (i,) 10 ... 25



#### **A Series**

#### Worm gear reducers & gearmotors

14 sizes 32 ... 250 Nominal torque ( $T_{\rm N2}$ ) up to 71,000 lb in Transmission ratio ( $i_{\rm N}$ ) 7 ... 16,000

#### **Features**

- Universal mounting with integral feet on the housing and B14 flanges
- Rigid and precise cast iron single piece housing
- Forced ventilation for high thermal power dissipation (size > 100)
- Worm wheels made of nickel bronze with high performance capability.
  High load capacity and wear resistance
- · Wide range of accessories and non-standard designs
- · Optional synthetic oil for food industry

#### **Benefits**

- Universal mounting positions
- High performance and reliability
- Smooth and precise running, reduced and constant backlash
- Extremely quite and constant performance even in the hardest applications



#### **E Series**

#### Coaxial gear reducers & gearmotors

16 sizes 32 ... 180 Nominal torque ( $T_{\rm N2}$ ) up to 90,000 lb in Transmission ratio (i,,) 4 ... 6,300

#### **Features**

- Universal mounting with lower/upper feet and B5 flange integral to the housing
- Rigid and precise cast iron single piece housing with high structural stiffness
- · Helical tooth design with ground & carburized gearing
- Wide range of sizes
- Standard IEC motor input adapter
- Optional synthetic oil for food industry

#### **Benefits**

- · Long life
- · Minimum maintenance requirements
- · High performance and great reliability
- Strength and reliability for heavy duty applications



#### **TX Series**

### Premium line electric asynchronous three-phase motors and brake motors

Sizes - IEC frames 63 to 315 Horsepower capacity 1/8 to 150HP 4, 6 Pole motors available

#### **Features**

- IEC standard motors
- Protection: IP 55 standard, up to IP 66 on request
- · IE3 Energy efficiency
- Standard and safety brake (AC. DC)
- Optional complex executions available (encoders, axial cooling, increased protection, etc.)

#### **Benefits**

- · Compactness and flexibility
- Suitable for running with inverter
- · Reduced environmental impact and energy saving



#### **Decentralized Drive**

dDrive Inverter Series Sizes A, B, C 3/4HP to 10HP available Supply Voltage 3x200V AC...480V AC 280V DC...680V DC

Rated current 1.7 A...16.5 A

#### Features

- Decentralized Frequency Inverter
- Designed for Rossi IE2, IE3 electric motors
- Aluminum Housing IP 65
- · Sensorless Vector Control
- Safe Torque Off (STO)
- Configurable I/O's board and internal PLC
- · A large number of field buses available
- Bluetooth Interface

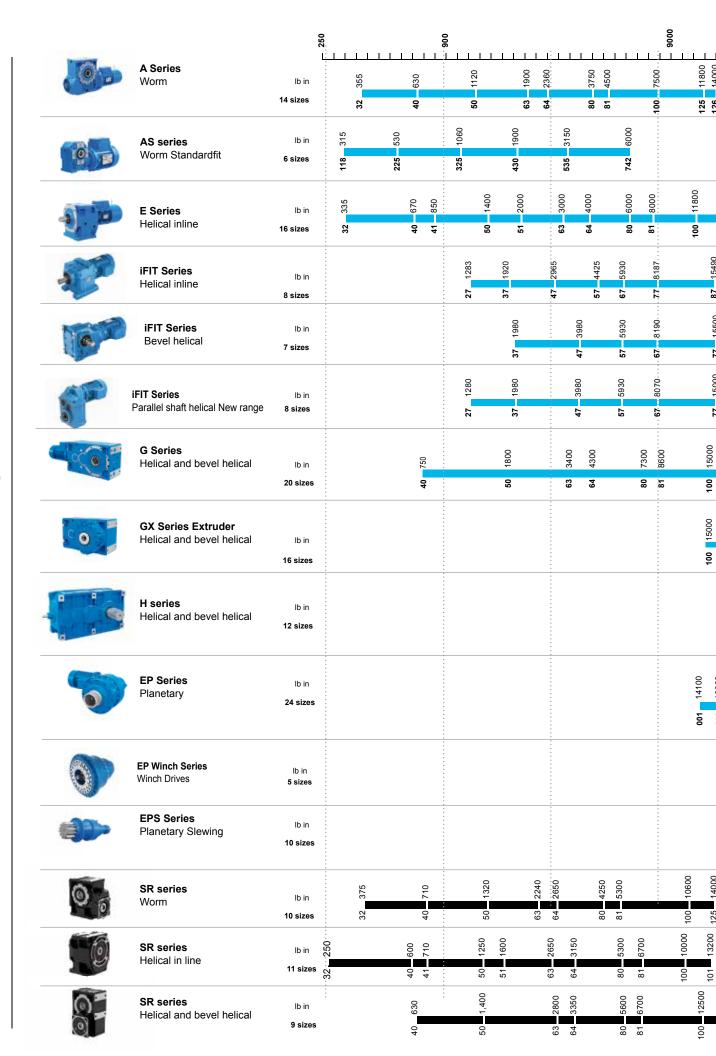
#### Benefits

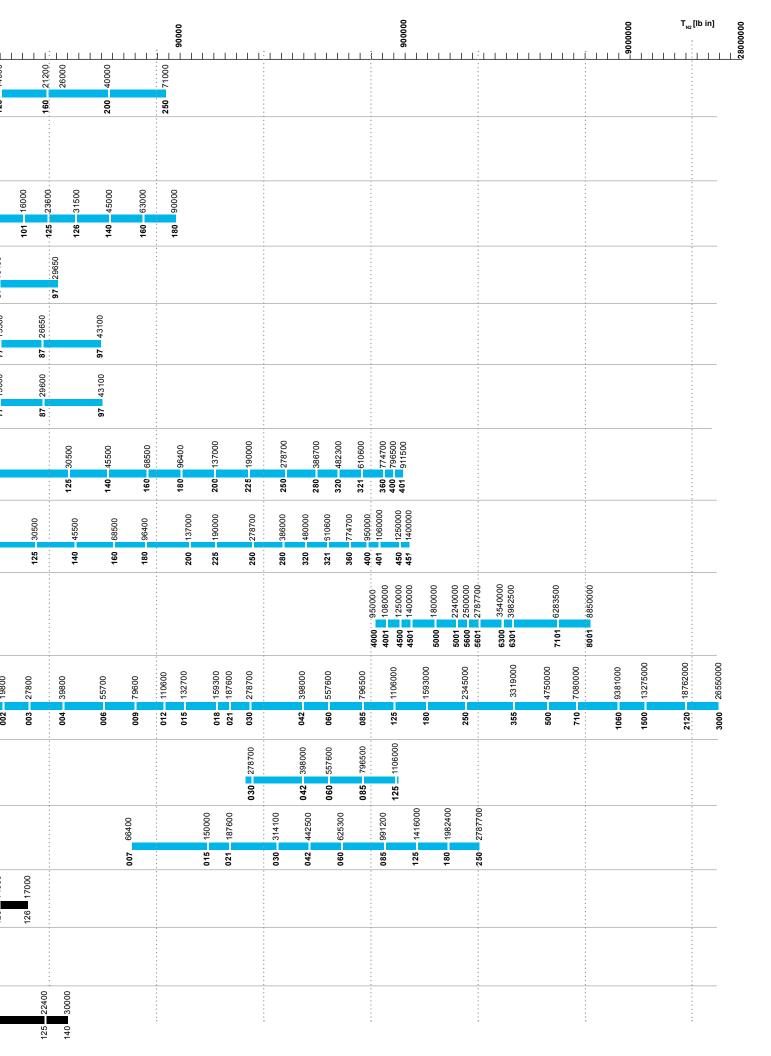
- Reduced electric cabinet dimension and cooling systems
- Compact solution of inverter, motor, and gearbox
- Suitable for hard environmental operating conditions
- No need of motor encoder for speed control
- High Safety Performance Level (up to PL E)
- To develop your own dedicated control functions
- Ease integration with existing automation controllers
- · Fast and smart inverter parametrization access













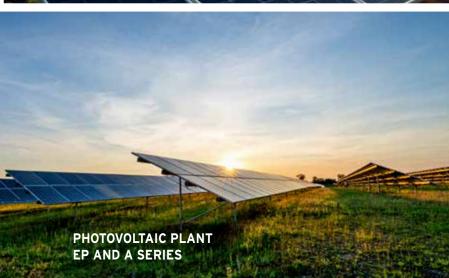


# We deliver reliable solutions worldwide















# Solutions for an evolving industry

In the global marketplace, our customers, investors, partners value our products and services for two reasons: excellence and reliability. At Rossi, we utilize change as a strategic lever for our growth. "Solutions for an evolving industry" fully expresses our corporate philosophy: We are a flexible and

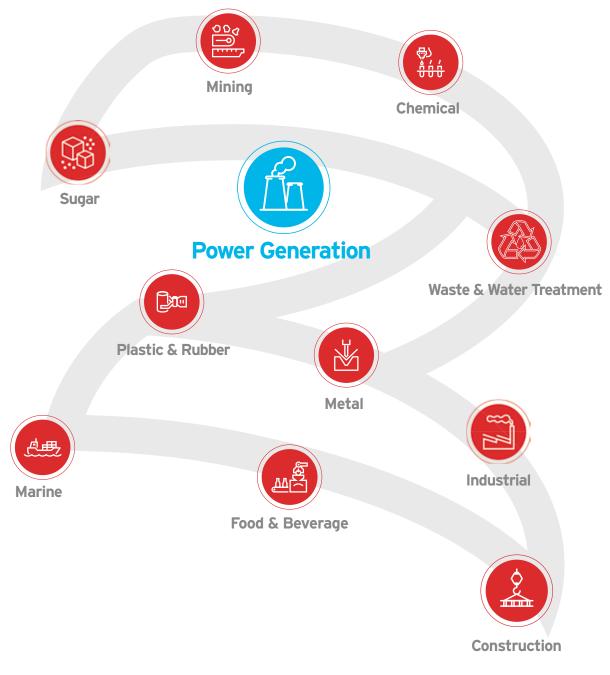
dynamic reality, able to satisfy all requirements of a continuously evolving industrial world, thanks to our innovative solutions.

- Cutting-edge manufacturing
- Specialized housing machining
- Extensive systematic controls

- Experience and know-how
- Excellence and innovation
- Reliable customer support.



# We have a solution for every segment



**₹Rossi** 

# Global presence local service



#### Local support

Sales, customer service, technical support, spare parts



18 branches\*



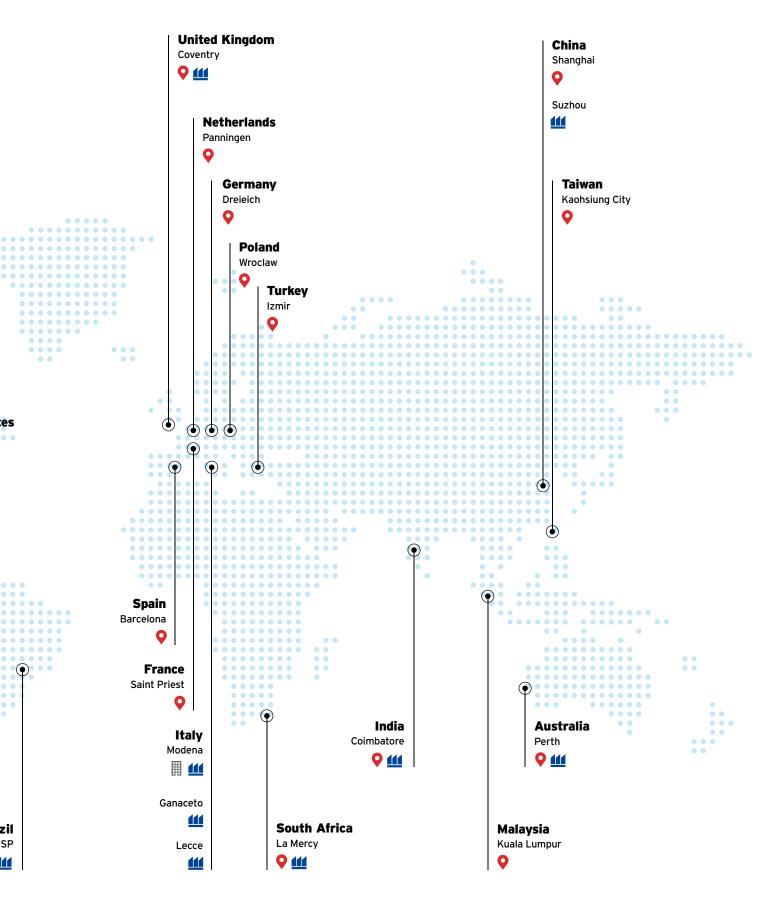
Worldwide distribution network\*



**Bra** Cordeiropolis,



\*All contacts available on www.rossi.com



# Key figures



1,000 pe

people around the world



5,000 customers worldwide



years of experience



million euros investments in new technologies and methodologies to improve manufacturing efficiency



affiliated companie



production facilities



### After-sale service



Highly trained mechanics and support teams can ensure a fast and efficient after-sale service providing support worldwide.





Our new space is your gateway to a world of information, assistance, and seamless access to the solutions you need.

Whether you're an end user, distributor, or OEM partner you will find a personalized area to explore and manage all things related to your Rossi products.

Visit us at www.rossi.com

# Quality

### 3 years warranty



Our drive is to innovate and boost operations by manufacturing performing, precise, reliable and high-quality products all over the world. We are always one step forward in offering and developing solutions that can satisfy an unlimited number of application needs, even in the most demanding conditions.

\* As per our warranty terms.

**System certifications** 

ISO 9001:2015

ISO 14001:2015

45001:2023

## **Product certifications**













**Product compliance** 









Rossi North America 3355 Martin Farm Road, Suite #400 Suwanee, GA 30024

Phone - 1 800 931-2044 Fax - 1 678- 288-3658

info.northamerica@rossi.com www.rossi.com/northamerica

2644.BRO.POW-24.05-0-US

© Rossi S.p.A. Rossi reserves the right to make any modification whenever to this publication contents. The information given in this document only contains general descriptions and/or performance features which may not always specifically reflect those described.