



SOLAR MOTION SOLUTIONS

www.TGB-GROUP.com



COMPANY PROFILE

More than 25 years of
experience

With over 25 years of experience, TGB Group Technologies is a leader in motion solutions for the industrial, renewable energy and linear markets. We develop and manufacture slewing drives, slewing rings, motors and accessories which are distributed worldwide with the highest quality standards.

TGB Group has a worldwide presence with offices located in the United States, Canada, Europe, the Middle East, Asia and South America. **TGB Group has three production locations in China, India and Spain, with a R&D department in Barcelona to provide customised solutions.**

WORLDWIDE PRESENCE

TGB Group Technologies has offices, warehouses and production centers all over the world, enabling a fast, personalized and effective service to meet the needs of each client.





MANUFACTURING FACILITIES

Our production network allows us to supply our products with the highest quality



BARCELONA HEADQUARTERS

Since 1992

+ 6.000m2

+ 45 workers

Engineering, R&D department and operational headquarter

Slew drives factory

Stock and logistics



CHINA FACTORY

Since 2009

+ 17.000m2

+ 150 workers

Manufacture and assembly

Slew drives and slewing rings



INDIA FACTORY

Since 2017

+ 3.000m2

+ 45 workers

Slew drives factory



BIZKAIA LINEAR SOLUTIONS

Since 2019

+ 600m2

5 Linear sales agents in Spain and Portugal

Service cutting line machine

Linear actuators



BARCELONA





INDIA





CHINA



QUALITY

The TGB Quality Management System is based on ISO 9001 certification. Continuous improvement processes have enabled TGB to comply with TS16949 standards, providing APQP, PPAP and other quality requirements.

Preventive inspections of equipment and maintenance

Quality inspections of components

Final quality report supplied with each of the components



Continuous Improvement Processes

Approval of suppliers

Established for all our production factories



TEST & CERTIFICATE

All TGB Group Technologies modules are tested to ensure the quality of our product

TEST

Product life test simulation
25 years

Holding torque test

Temperature

UVA Ray Test

and more

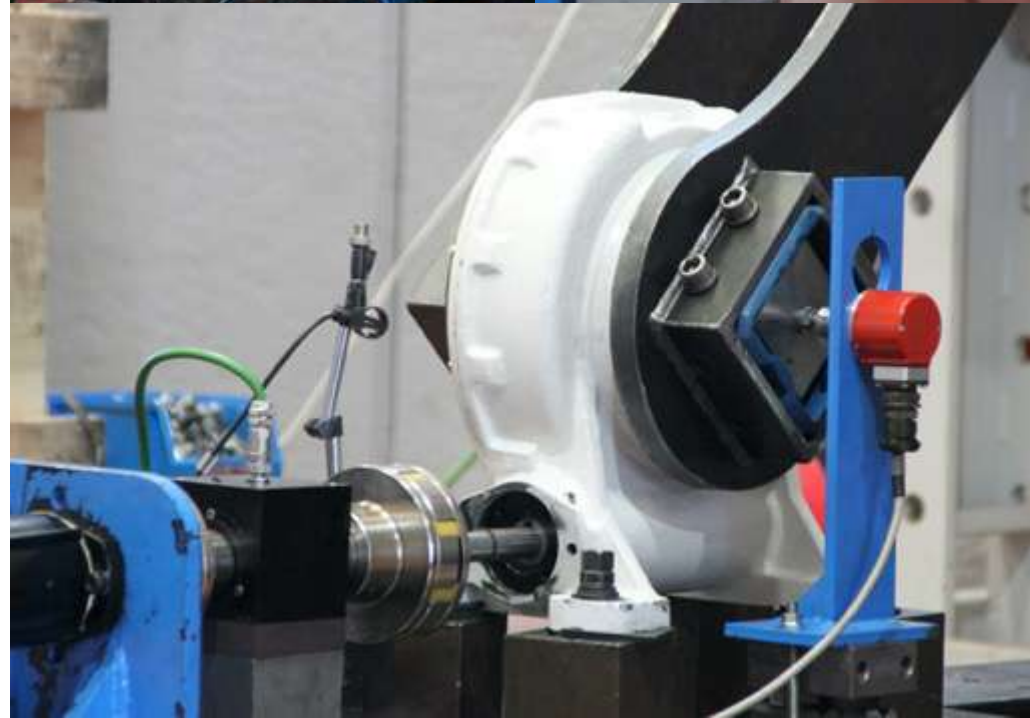
CERTIFICATES

IEC 62817 certificates for slewing
drives

CE certificate for motors

ISO 9001.2015

IP6X





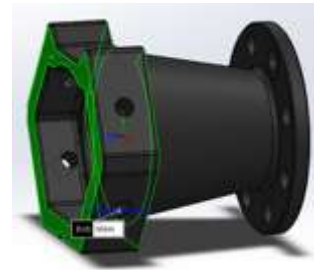
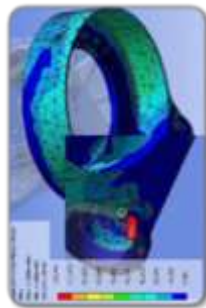
TECHNICAL DEPARTMENT, ENGINEERING AND R&D

We have a wide range of standard products, but our technical, engineering and R&D department **is able to provide any technical requirement on our products.**

An experienced team of engineers works closely with our customers, in order to obtain the most optimized design in terms of performance, quality and price. **We specialize in customization of parts.**

SOFTWARE AND SKILLS

**Structure and mechanical engineering.
SolidWorks Software - Mesys
Product calculation and design simulation.**





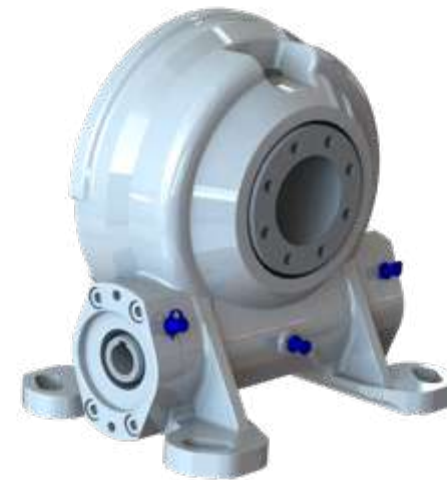
SOLAR SOLUTIONS

Since 2006, we contribute to the production of more than 15GW/h of clean energy with our Slew Drives for solar trackers.

Our vertical slew drives for solar trackers move the panels in the world's largest solar parks.



TVR SERIES



TVR160

Ratio	65
Weight [Kg]	17,27
Nominal Torque [Nm]	600
Maximum Torque [Nm]	1200
Holding Torque [kNm]	6
Base-Center Distance [mm]	141,6

TVR200

Ratio	40
Weight [Kg]	38,54
Nominal Torque [Nm]	7000
Maximum Torque [Nm]	9600
Holding Torque [kNm]	34
Base-Center Distance [mm]	190



TVR SERIES



TVR204	
Ratio	59
Weight [Kg]	45,41
Nominal Torque [Nm]	7000
Maximum Torque [Nm]	13500
Holding Torque [kNm]	40
Base-Center Distance [mm]	190



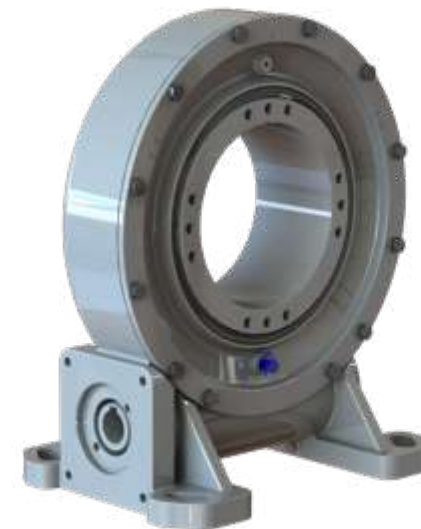
TVR250	
Ratio	50
Weight [Kg]	42,67
Nominal Torque [Nm]	10000
Maximum Torque [Nm]	14000
Holding Torque [kNm]	55
Base-Center Distance [mm]	217



TVR SERIES



TVR300	
Ratio	61
Weight [Kg]	51,44
Nominal Torque [Nm]	7000
Maximum Torque [Nm]	15000
Holding Torque [kNm]	55
Base-Center Distance [mm]	240



TVR315	
Ratio	63
Weight [Kg]	50,75
Nominal Torque [Nm]	7000
Maximum Torque [Nm]	20000
Holding Torque [kNm]	55
Base-Center Distance [mm]	247



TRACK RECORD

TGB Group Technologies has manufactured and delivered more than 500,000 parts to the solar market

RECENT PROJECTS

Hanford – USA
Santa Teresa (New Mexico)
Clark (USA)
Fresno (USA)
Herbert (South Africa)
Greefspan (South Africa)
Intipampa (Perú)
Aguas Calientes (México)
La Independencia (San Salvador)
San Luís Potosí (México)
Limon Deal (Australia)
Ouarzazate (Morocco)
Spain: several projects throughout the territory (Extremadura, Andalusia, Navarra, La Rioja...)

INSTALLED WATTS

Portugal 69 mw
México 1,1 GW
San Salvador 18,5mw
Sri Lanka 8mw
Israel 65 mw
Lituania 5,1mw
Jordania 350 mw
USA 1,2 GW
Spain 4,2 GW
Africa 17,6 mw
South Africa 43 mw
Chile 630 mw
Perú 146,6 mw
Vietnam 200 mw
Australia 350 mw
Brazil 150 mw
Canada 57 mw
Argentina 9 mW