

In Gear Solutions ES, we make gear reducers, geared motors and elements of standardized transmission, under a process of continuous improvement and based on the highest technological and efficient parameters available, where, besides, priority is given always to the reliability of the product and putting quality of the process manufacturing first, as design philosophy.

The focal point of the company are their departments of investigation and development, which along with the department of Marketing and Sales, adapts and develop along with solutions that allow to satisfy new and always changing needs of the different industrial markets.

Machined parts are produced in cutting machines, grinding machines, horizontal and vertical machining centres, cells of flexible manufacture, ovens of thermal treatment and universal grinding machines.

The reliability of all the processes is ensured by the department of Quality and Control, endowed with three-dimensional machines, able to verify with extreme precision the finishing of the components. The testing benches, for verification and experimentation, ensure the performance and final technological qualities.



INTEGRATED DRIVE AND CONTROL SOLUTIONS

PRESENT ALL OVER
THE WORLD



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The origin of **Gear Solutions ES, S.L.** was in 1918, but it was in 1965 when the Pujol brand was first registered with its first range of standard gear reducers.

The international projection of Gear Solutions ES, has oriented its business sensitivity to technological solutions that support the creative intelligence of engineering, engineers, designers and industries of all the industrial activities.

Nowadays Gear Solutions ES, is one of the companies of the Group Teco, becoming part of one of the more important industrial groups of the world, complemented with a product portfolio, with capacity to offer complete and integrated solutions, both on gearmotor functions and on control.

Change of shareholding and creation of Gear Solutions ES, S.L., becoming part of and European industrial group.



TECO products are incorporated into the range of original PUJOL products manufactured by Gear Solutions ES.



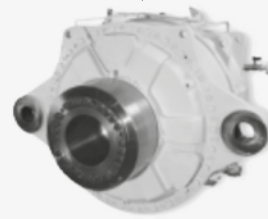
1998

2014

2015

2016

2017



The manufacture of 1,5MW multipliers for the wind energy sector and zero-clearance solar trackers is consolidated.

Teco Group acquires the company Gear Solutions ES.



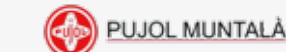
Renovation and improvement of the main series with major industrialization by Gear Solutions ES.

Begins its activity in Manresa. Jose Pujol Muntala, manufacturing spare parts of textile machinery.

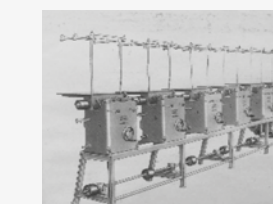


1918

The brand PUJOL MUNTALA, S.A. is registered and series manufacture starts.



1965



Design of the first gearbox and mechanical automation.

1932

Major internal renovations and acquisition of a Foundry in Sant Fruitos de Bages.



1988



Pujol expands to worldwide level opening delegations and centers in all the continents

1982

NCE AT YOUR SERVICE

100 YEARS OF EXPERIENCE

WORM GEARBOXES



LXW SERIES

CAST IRON HOUSING
Worm gearbox
RAL7031 epoxy finish

Size	90 - 110 - 130
Power	up to 18,5 kW
Nominal torque	up to 1.025 Nm
Ratio	from 7,5 to 100
Different input and output versions and accessories available	



LAX SERIES

ALUMINIUM HOUSING
Worm gearbox
RAL7031 epoxy finish

Size	30, 40, 50, 63, 75, 90, 105
Power	up to 11,5 kW
Nominal torque	up to 680 Nm
Ratio	from 5 to 10.000
Different input and output versions and accessories available	



LWP - LWB SERIES

CAST IRON HOUSING
Worm gearbox
RAL7031 epoxy finish

Size	40 - 50 - 63
Power	up to 4 kW
Nominal torque	up to 140 Nm
Ratio	from 5 to 100
Different input and output versions and accessories available	

RIGHT ANGLE GEARBOXES



TB SERIES

CAST IRON HOUSING
Helical bevel gearbox
RAL7031 epoxy finish and registration cover

Size	018 - 020 - 022 - 025 - 028 - 032 - 035
Reduction stage	2 - 3 - 4
Nominal torque	up to 78.000 Nm
Ratio	from 1,25 to 760
Different input and output versions and accessories available	



KXB SERIES

CAST IRON HOUSING
Helical bevel gearbox
RAL7031 epoxy finish and registration cover

Size	353 - 403 - 503 - 603 - 703 - 903 - 1003
Power	up to 90 kW
Nominal torque	up to 13.000 Nm
Ratio	from 5,71 to 187,24
Different input and output versions and accessories available	



KXA SERIES

ALUMINIUM HOUSING
Helical bevel gearbox
RAL7031 epoxy finish and registration cover

Size	202 - 252 - 253 - 352 - 353
Power	up to 4,8 kW
Nominal torque	up to 450 Nm
Ratio	from 7,62 to 442,76
Different input and output versions and accessories available	

ELECTRIC MOTORS



ENDF - SDF - ADF - NDF SERIES

CAST IRON HOUSING AND ALUMINIUM HOUSING
Three phase electric motors IEC. Feet and flange versions
TECO-Westinghouse motors specially designed for the European market
Manufactured in our own factory, ensuring total quality control
Stored in Europe 2, 4, 6 and 8 pole electric motors
Aluminium motors IE2 & IE3. From housing 063 to 160
Cast iron motors IE2 & IE3. From housing 080 to 315
High-power motors or low-voltage motors, please consult

IN-LINE GEARBOXES



IP - IB SERIES

CAST IRON HOUSING
Helical gearbox
RAL7031 epoxy finish

Size	84 - 102 - 128 - 142 - 162
Power	up to 7,5 kW
Nominal torque	up to 617 Nm
Ratio	from 2,1 to 46,03
Different input and output versions and accessories available	



SXH SERIES

CAST IRON HOUSING
Helical gearbox
RAL7031 epoxy finish and registration cover

Size	252 - 253 - 302 - 303 - 352 - 353 - 402 - 403 - 502 - 503 - 602 - 603 - 702 - 703 - 902 - 903
Power	up to 45 kW
Nominal torque	up to 8.000 Nm
Ratio	from 1,23 to 282,1
Different input and output versions and accessories available	

PARALLEL SHAFT GEARBOXES



TP SERIES

CAST IRON HOUSING
Parallel helical shaft gearbox
RAL7031 epoxy finish and registration cover

Size	018 - 020 - 022 - 025 - 028 - 032 - 035
Reduction stage	1 - 2 - 3 - 4
Nominal torque	up to 78.000 Nm
Ratio	from 1,25 to 760
Different input and output versions and accessories available	



DXS SERIES

CAST IRON HOUSING
Shaft mounted gearbox
RAL7031 epoxy finish and registration cover

Size	302 - 303 - 352 - 353 - 402 - 403 - 502 - 503 - 602 - 603 - 702 - 703 - 802 - 803
Power	up to 97 kW
Nominal torque	up to 9.350 Nm
Ratio	from 4,06 to 394,69
Different input and output versions and accessories available	

VARIABLE SPEED DRIVES



INVERTER L501S

TECO
Frequency inverter of general purpose. Vector control (SLV) & V/f
110 and 230V mono phase
400V three phase
0.2 - 11 kW
4 sizes, IP20



INVERTER E510

TECO
Frequency inverter of general purpose. Vector control (SLV) & V/f
230V mono phase, 200V and 400V three phase
0.37 - 18,5kW
Vector control
IP20 and IP66



INVERTER A510S

TECO
Frequency drive of vector control and high benefits. Double curve
6 motors control modes - V/F, V/F with encoder
Current vector control with and without encoder
Permanent magnet motors (PM) with and without encoder
Dual core processor, 100Mhz RISC and ASIC
0,75 - 355kW, 400V



INVERTER F510

TECO
Pump / Ventilation frequency inverter of vector control (SLV) & V/f
Available in IP00, IP20 and IP55 versions
3,7 - 600 kW
Integrated EMC filter
Multi-pump function
Pump protection functions



VBC SERIES

CAST IRON HOUSING
Speed variator
RAL7031 epoxy finish
Size 02 - 03 - 04 - 05 - 06 - 07 - 08
Power up to 9,2 kW
Nominal torque up to 144 Nm
Speed range from 122 to 2.000 rpm
Different input and output versions and accessories available