



**ISEO**

TECHNOLOGY

YOUR SINGLE SOURCE FOR  
**POWER TRANSMISSION**  
**HYDRAULICS AND FILTRATION**



# ABOUT US

## Technical solutions for your business

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With over 15 years of experience and its roots in the iron and steel industry, ISEO TECH is today a reference in the supply of power transmission and hydraulic components, couplings, cardan shafts and spare parts.

Established in Italy to meet the needs of its customers all over the world, ISEO TECH offers high quality and high technology products thanks to its direct and consolidated collaboration with excellent partners and industry leaders.

ISEO TECH offers fast and specialised advice in choosing the most advantageous innovative solution and the right product for each application. Technical professionalism, monitoring of supplies, constant support and customer proximity guarantee the best result for your company.

ISEO TECH offers a unique know-how and a complete service of high quality, from the request to the after-sales, selecting a wide range of tailor-made articles adapted to the technical needs of the most varied application sectors: from iron & steel to cement and construction, from oil & gas to mining, from agriculture to the energy industry.

## Our Partners

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ISEO TECH has established partnerships with global leaders in power transmission, hydraulics and industrial filtration. The close collaboration between technical experts and manufacturers allows our clients to benefit from direct, accurate and customised advice, fast and comprehensive supply and service.



# POWER TRANSMISSION

GEARBOXES  
CARDAN SHAFTS  
GEAR COUPLINGS  
CUSTOMISED GEARS



# GEARBOXES PLANETARY

Planetary gearboxes are efficient and versatile transmission mechanisms used in a wide range of industrial applications - from robotics to automation, from lifting equipment to power generation - to convert speed into torque and vice versa.

They consist of a central mechanism around which 'planetary gears' rotate, contained within an outer 'ring'.

The unique design of ISEO TECH gearboxes allows for a remarkable load capacity, significant strength and absolute reliability.

All components are manufactured from high quality raw materials and perform particularly well in situations where high torque and maximum precision are required.

## KEY FEATURES

- High quality
- Efficiency
- Precision and smoothness are guaranteed by a low backlash range
- Compactness
- Strength and long service life
- Minimum and quick maintenance
- Safety and reliability
- Versatility



## APPLICATIONS

- Amusement rides
- Bending machines
- Billet straighteners
- Bucket elevators
- Cattle feeders
- Clarifiers and aeration tanks
- Drills
- Extruders, mixers, crushers and filters
- Conveyor belts
- Shredders
- Winches and capstans

# GEARBOXES HELICAL AND BEVEL HELICAL

For effective speed control and power transmission, parallel shaft and bevel helical gearboxes are essential components in a wide range of industrial applications.

They are mechanical devices designed to slow down a motor while increasing its output torque; the shafts can be arranged parallel or perpendicular to each other, thus offering a wide adaptability for integration with different types of machinery.

## KEY FEATURES

- High quality
- Efficiency
- Precision and smoothness
- Compactness
- Strength and long service life
- Minimum and quick maintenance
- Safety and reliability
- Versatility



## APPLICATIONS

- Conveyor belts
- Winches

# GEARBOXES SPECIAL AND CUSTOMISED

When it comes to industrial applications, standard solutions do not always work. That is why we are able to offer you special customised gearboxes to meet your specific needs.

## SECTORS



CEMENT



CRANE



IRON AND STEEL



MARINE



MINING

ISEO TECH gearboxes are the result of our consolidated experience in the industry, combined with the use of the latest technology and our customer-oriented approach. We offer tailored solutions in terms of dimensions, materials, shaft configurations and ratios to suit your needs.

Find out how ISEO TECH gearboxes, designed specifically for your business, can improve efficiency and productivity.

Our team of experts is available to discuss all your specific needs.



# CARDAN SHAFTS



Cardan shafts are key components in many mechanical applications, from automotive to industrial machinery. They consist of a series of couplings operating on misaligned axes, allowing each to move freely while continuing to transmit power, torque and rotation.

ISEO TECH cardan shafts are precision engineered and manufactured from high quality materials to ensure excellent performance over time. They are suitable for a wide range of applications due to their ability to handle complex misalignments and transmit power efficiently.

## KEY FEATURES

- High quality
- Strength and long service life
- Versatility

# GEAR COUPLINGS



Gear couplings are an efficient and durable solution for transmitting rotary motion between two shafts through the interaction of teeth and splines.

ISEO TECH joints are the result of years of experience in the industry and a constant commitment to research and development. They are designed to operate with high precision and ensure smooth and efficient motion transmission, minimising energy loss and improving overall machine functionality. They are manufactured using high quality materials and the latest production techniques to ensure rigidity and durability. They are resistant to torsion, vibration, high temperatures and the most demanding operating conditions. They tolerate moderate shaft misalignment and can be used in a wide range of applications, from industrial machinery to motor vehicles.

## KEY FEATURES

- Accuracy and smoothness
- Strength and long service life
- High efficiency
- Versatility

## SECTORS



IRON AND STEEL



PAPER MILLS

# CUSTOMISED GEARS



Gears are key components in a wide range of industrial and mechanical applications.

ISEO TECH excels in the production of customised gears. They are made-to-measure mechanisms in terms of size, shape, material and configuration, able to adapt perfectly to unique technical specifications, guaranteeing maximum precision and performance.

ISEO TECH designs spur, bevel, helical, worm, straight or helical gears according to the requirements of each project.

Thanks to the use of excellent materials, advanced manufacturing technology and strict quality controls ISEO TECH is able to supply high precision gears that run smoothly and efficiently, for a long time.

## KEY FEATURES

- High quality
- Customisation
- High accuracy
- Strength and long service life

## SECTORS



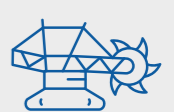
CEMENT



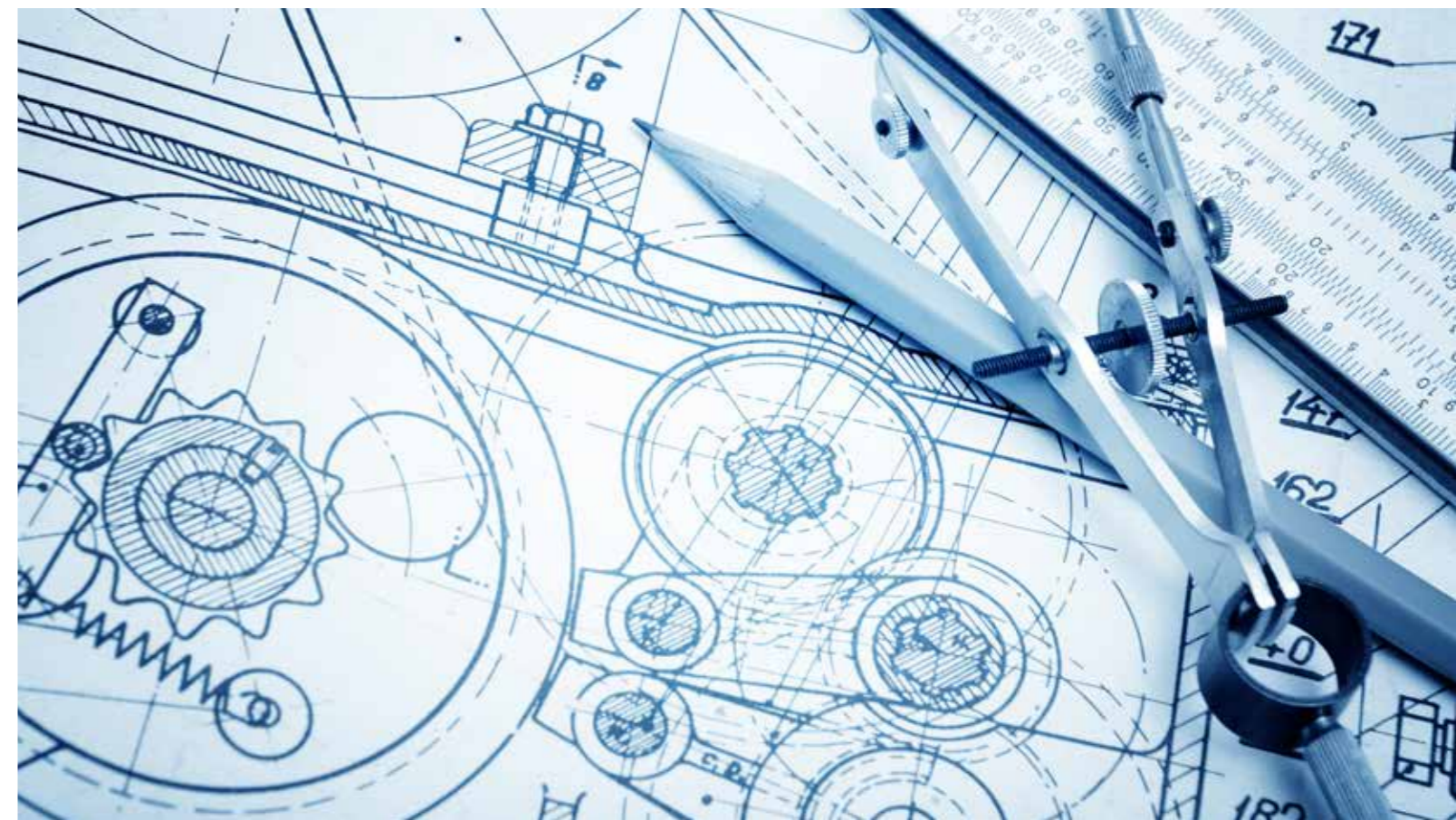
CRANE



IRON AND STEEL



MINING



## APPLICATIONS

- Bucket elevators
- Cement kilns
- Conveyor belts
- Cooling belts

# HYDRAULICS AND OIL FILTRATION

FILTER ELEMENTS  
HYDRAULIC ACCUMULATORS  
HEAT EXCHANGERS  
OIL TREATMENT CENTRIFUGES  
CONTROL SYSTEMS



# FILTER ELEMENTS

Filter elements are essential for ensuring the purity of fluids in a wide range of industries and applications.

They are used to remove particles and contaminants from liquids, semi-liquids, gases, air, water and industrial oils.

The main functions of these components are to improve fluid quality and to protect system elements from potential damage caused by contaminants (e.g. malfunction, increased wear, corrosion).

ISEO TECH is dedicated to the design and manufacture of filter elements crafted from premium materials. This commitment ensures that customers receive top-performing, long-lasting solutions.

## KEY FEATURES

- High filtration efficiency
- High quality and long service life
- Quick and easy installation and maintenance
- Versatility



# HYDRAULIC ACCUMULATORS

Hydraulic accumulators are fundamental elements within hydraulic systems.

Their presence prevents problems in the operation of machinery due to 'water hammer' caused by pressure surges. The energy they store in the form of pressurised fluid is returned to the machine when it needs more power.

These components are equipped with special braking or stopping systems that immediately stop the machine from operating, preventing irreparable damage and allowing quick and safe repair.

There are different types of hydraulic accumulators, classified according to their structure and chosen according to the positioning of the machine on which they are installed and its operation. In particular, ISEO TECH deals with diaphragm, piston, spring and weight accumulators.

## KEY FEATURES

- High filtration efficiency
- High quality and long service life
- Quick and easy installation and maintenance
- Versatility



# HEAT EXCHANGERS

Heat exchangers and coolers are devices that transfer or dissipate the heat generated by the loss of energy from the hydraulic systems that convert and transport it.

They can be used to exchange of heat energy between two fluids at different temperatures and to keep them separated from each other.

There are several types of heat exchangers. ISEO TECH is a specialist in air coolers, plate heat exchangers and their spare parts.

## KEY FEATURES

- High quality
- Strength
- Stability
- Customisation



## SECTORS FOR ALL



AGRICULTURE



BRICKS



CEMENT



ENERGY



IRON AND STEEL



MARINE



MINING



OIL & GAS



PAPER MILLS



PLATE ROLLING MACHINES



RECYCLING

# OIL TREATMENT CENTRIFUGES

Oil purity and quality are critical to ensure maximum machine efficiency and lifetime.

ISEO TECH centrifuges provide a highly efficient solution for separating and removing oil contaminants, such as solid particles, water and other impurities, improving fluid quality and extending machine life.

All products are carefully designed to provide high quality filtration and high separation capacity. They are manufactured from superior materials to ensure reliable and long lasting service.

## KEY FEATURES

- High filtration efficiency
- High quality
- Long service life
- Quick and easy installation and maintenance
- Versatility



# CONTROL SYSTEMS

We offer a range of field instruments for measuring and monitoring flow, level, pressure, temperature and for analysing liquids.

These devices can measure flow rate (the speed at which a fluid flows), level (the height of a fluid in a tank), pressure (the force exerted by a fluid), temperature and the fluid properties (such as pH, conductivity, dissolved oxygen, ...).

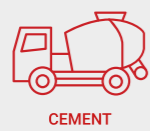
ISEO TECH solutions help to ensure the efficiency, safety and optimisation of industrial operations in a wide range of applications, from food to petrochemicals, from aquaculture to pharmaceuticals, by providing simple, accurate and reliable measurements.

## KEY FEATURES

- High precision
- High reliability
- Ease of use
- Versatility



## SECTORS



## SECTORS





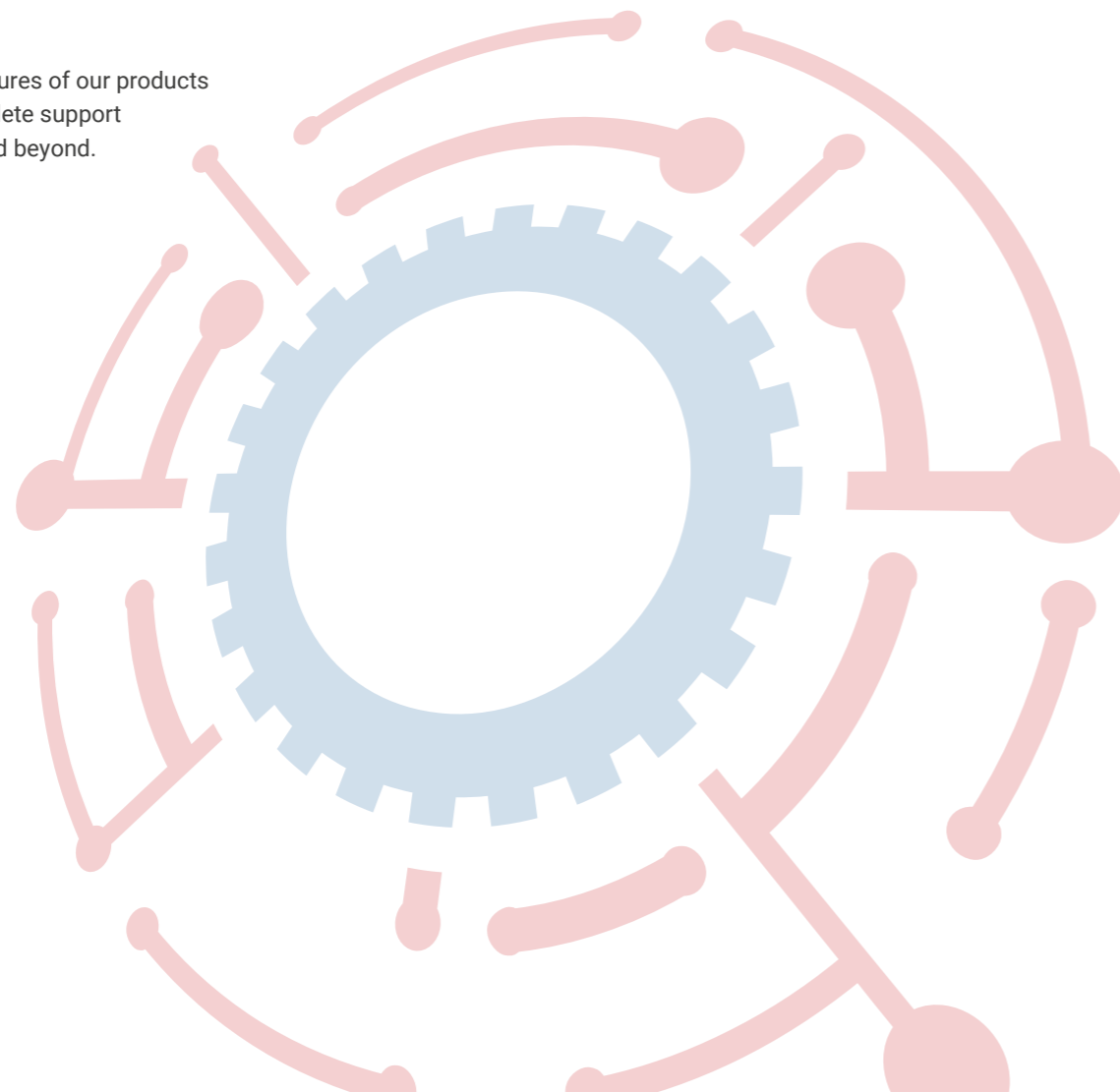
# SPARE PARTS

ISEO TECH is a specialist in custom design and reverse engineering of spare parts and machinery for the iron and steel industry. Based on technical drawings, bills of materials and parts lists it can supply OEM spare parts at competitive prices and with fast delivery times.

Our product range includes:

- Shear blades (hot and cold cutting)
- Composite rollers
- Levellers
- Plates
- Components for continuous casting
- Transmission systems
- Spindles, extensions, joints, shafts, chocks and much more
- Heat exchangers

We combine the superior features of our products with careful advice and complete support from design to installation and beyond.

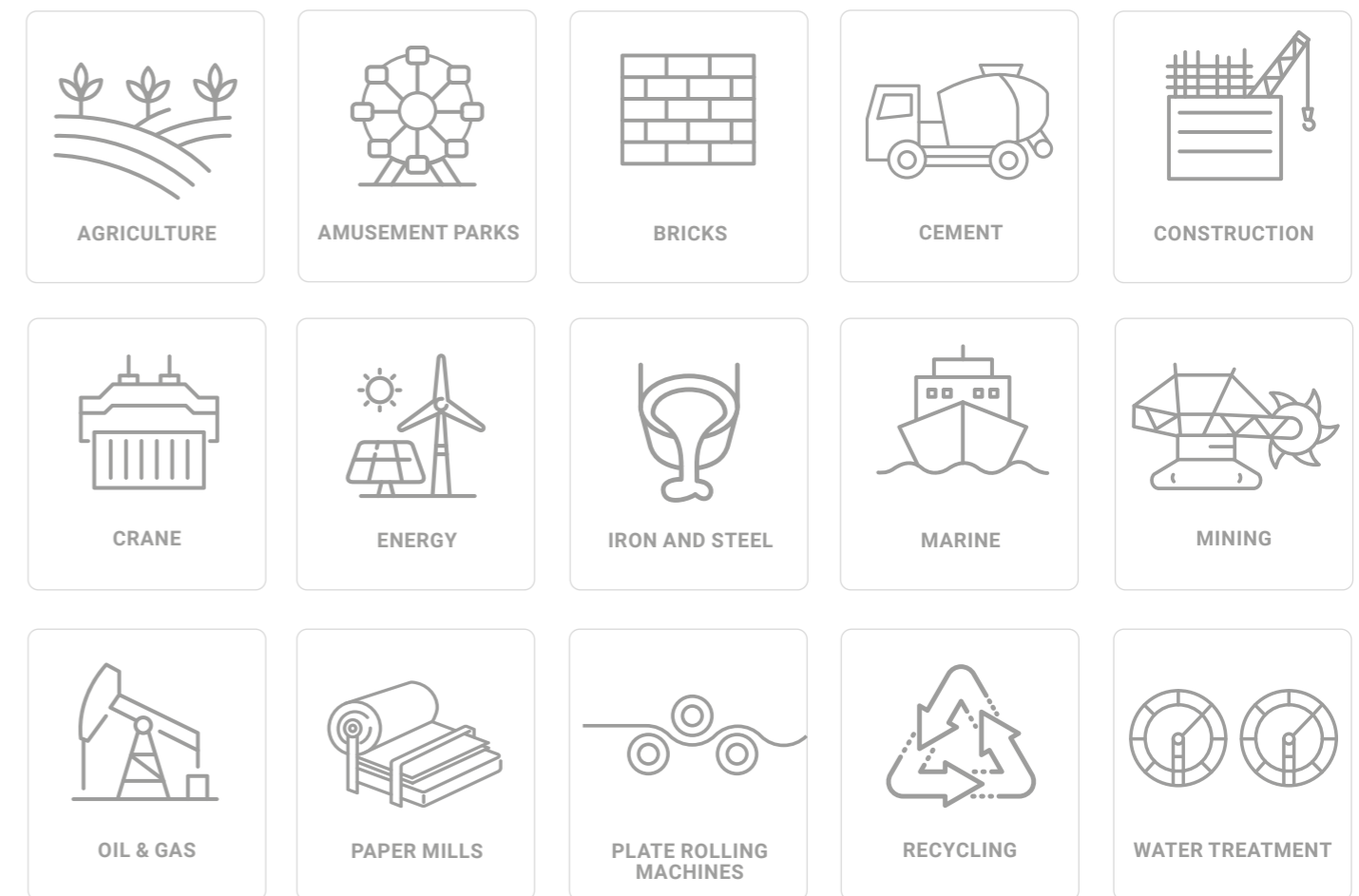


# INDUSTRIES

ISEO TECH's extensive experience in the field has enabled us to gain a deep understanding of the characteristics of our products and their adaptability to different applications.

Today, our expertise in several sectors allows us to act as a consultant to our customers, helping them to make the right choices based on their specific operational needs.

The direct relationship with its partners enables ISEO TECH to study and design solutions even in new contexts.



## ISEO S.R.L.

**Registered Office:** Via Brighenti, 1 - 24065 Lovere (BG) ITALY

**Operational Headquarters:** Via Gobetti, 13 - 24065, Lovere (BG) ITALY

**Email** [info@iseoco.com](mailto:info@iseoco.com)

**Website** [iseo-tech.com](http://iseo-tech.com)

**Phone** +39 340 6422451 | **Fax** +39 035 9873542

**VAT Number** 04651390165



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