


MACOGA

Turning metals into engineered solutions

Turning
metals
into
engineered
solutions.



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From
a family
owned
business
to a global
leader.



Within four decades, MACOGA has grown from a small family own company to a globally recognized leader in the Expansion Joint Industry.

Founded in 1960 by Manuel Concheiro as a trading company MACOGA quickly positioned itself as one of the top companies in the Spanish market.

Early in the 70's a complete production system was developed for the manufacturing of Expansion Joints and in 1972 the first units left the factory.

Today MACOGA manufactures the most complete range of Expansion Joints, supplies all sectors of industry and delivers to more than 75 countries throughout the world.

MACOGA is committed to continuing our growth strategy in the future. We will further increase our capabilities for the benefit of our clients.



ООО «ТИ-СИСТЕМС» ИНЖИНИРИНГ И ПОСТАВКА ТЕХНОЛОГИЧЕСКОГО ОБОРУДОВАНИЯ
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Solutions
suited to your
individual
needs.



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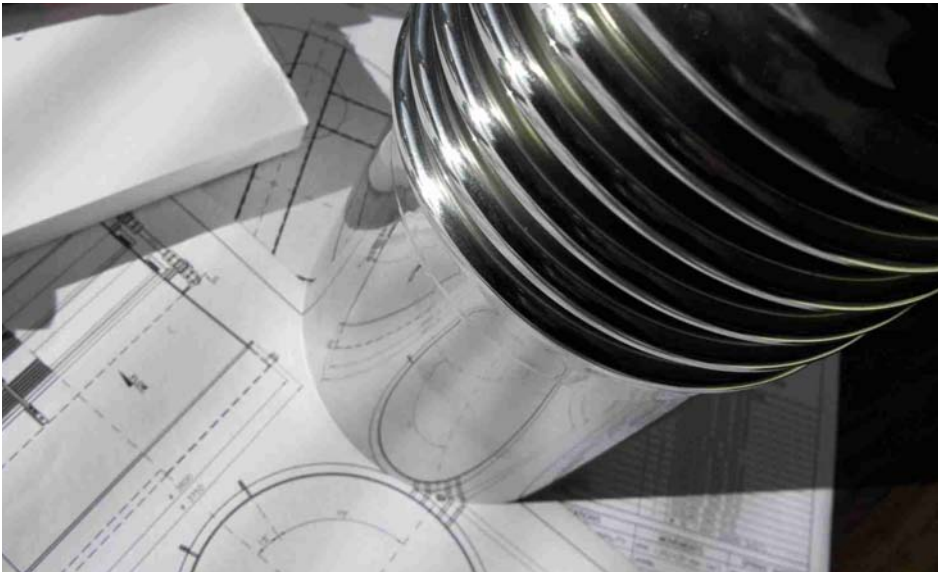
We have the knowledge to anticipate your needs and provide you with the right solutions.

We use the most sophisticated analysis and calculation software to design your pipe system, we have develop exclusive programs to calculate Expansion Joints and we have invested significantly in engineering, manufacturing capabilities and staff, and today we can meet the needs of the most demanding customers.

Our scope of services go from basic design to on-site assistance so whatever your needs are, our engineering professionals working side-by-side with you can make even the most challenging and complex project a reality.



Committed to quality.



Quality is the engine for improvement in our Company. It is the combination of actions that increase efficiency and output in activities and processes to provide added advantages to both the company and customers.

Our vision is to create value through innovation and continual improvement. And we apply it to all areas in our company, from the purchasing of raw materials to the final tests and controls carried out on each Expansion Joint, from design control and verification to the perfect efficiency of all departments.

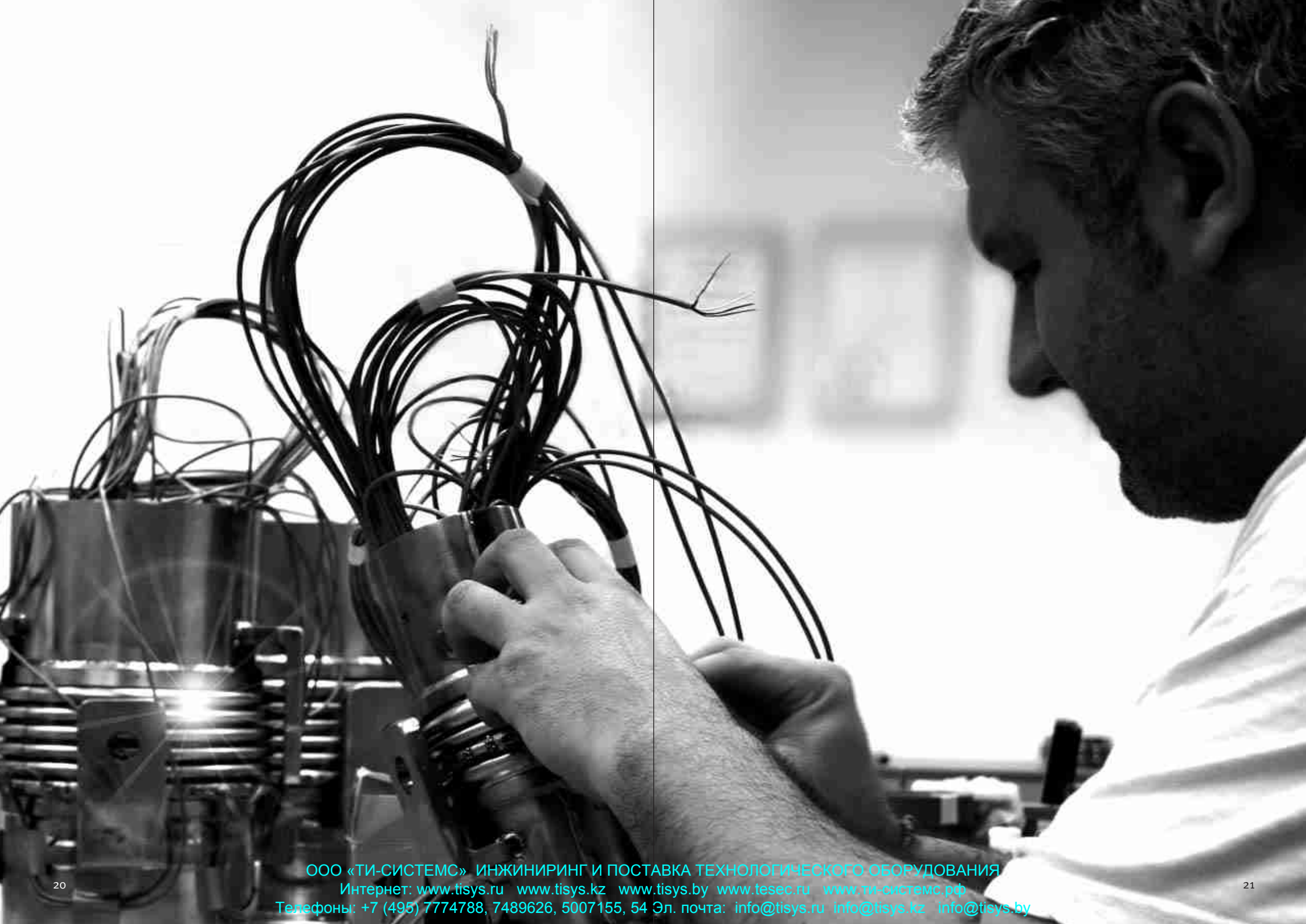
All our Expansion Joints undergo a number of tests (Leak Detection, Radiographic, Ultrasonic, etc.) before they leave the factory and a comprehensive **Quality & Environmental Management System certified since 1994 under ISO 9001** guarantees a highly reliable product and service.



Macoga quality system is certificated by:

- ISO 9001:2000
- ISO 14001:2004
- PED 97/23/CE, Module H
- AD 2000-Merkblatt HPO / TRD 201 / DIN EN 729-2
- AD 2000-Merkblatt Wo / TRD 100
- Certificate of Authorization "U-Stamp" from ASME
- Certificate of Authorization "NB" mark from The National Board
- Bureau Veritas Type Approval Certificate
- Lloyd's Register Type Approval Certificate
- Det Norske Veritas Type Approval Certificate
- Spanish Ministry of Defence and NATO member countries No. 5182/7737B





Turning
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Expansion
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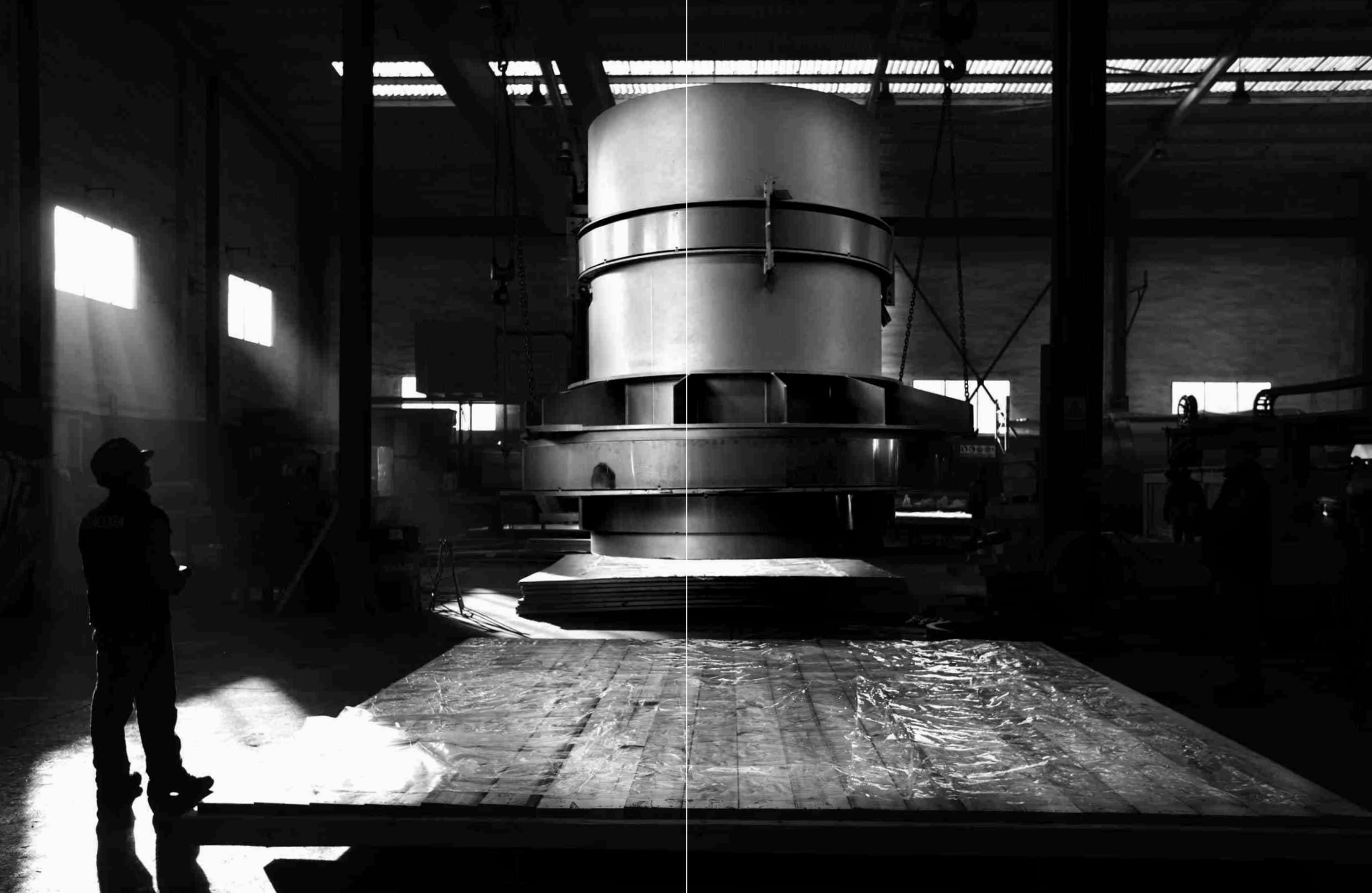


This is our area of expertise.

MACOGA Expansion Joints are designed, manufactured and tested according to Internationally Recognized Codes and Standards: E.J.M.A. (Expansion Joints Manufacturers Association, Inc.), ASME, AD Merkblatter, etc.

We manufacture the widest range of Expansion Joints in **sizes from 15 mm up to 8 meters** diameter and in the following types: Circular: **Axial, Lateral, Hinged, Gimbal, Pressure Balanced, Jacketed, Externally Pressurized** and Rectangular: **Camera Corner, Miter Corner** and **Round corner**.

Materials used in manufacturing are basically Austenitic Steels as AISI 321, 304, 316, 316L, 316Ti, 309, 253 Ma, 254 SMO, etc. and Nickel Alloys such as Monel 400, Inconel 600, 625, Incoloy 800 H, Hastelloy, etc.



Health,
safety and
environment
policy for a
better world.



We are all responsible for sustaining and protecting our natural environment.

This is an obligation we have taken upon ourselves through our competence of manufacturers of technological products

MACOGA aims to reduce the health, safety and environmental impact of its products and processes and prevents pollution by utilising a structured risk management approach, taking into account the needs of its customers and society.

Protecting the Environment is a primary objective of MACOGA. It is an integral part of corporate strategy and all new activities are assessed for environmental impact and appropriate health and safety position.

Certified Environmental Management. The certification of our company in line with **ISO 14001** is a crucial element of MACOGA's Environmental Management System.

Indeed, occupational health and safety are of prime importance to us. Safety in the design of workplaces, industrial processes and facilities is a priority.

Whether is the global environment, workplace conditions or the people who live near by, MACOGA cares.



Worldwide presence.



At MACOGA our vision is clear. We are a leading global manufacturer of Expansion Joints.

We are committed to growing and expanding in ways that support our customers' needs... anywhere in the world.

Operating in over a hundred countries MACOGA delivers Expansion Joints to the most recognized companies around the globe.

- AEROSPACE
- CEMENT PLANTS
- CHEMICAL INDUSTRY
- CRIOGENIC LNG/LPG
- DEFENCE
- ENERGY
- ENGINEERING
- HYDRAULIC WORKS
- IRON&STEEL INDUSTRY
- PAPER INDUSTRY
- PETROCHEMICAL INDUSTRY
- PHARMACEUTICAL
- OFFSHORE
- SHIPBUILDING

ABB ALSTOM # ABB ATOM # ABB LUMMUS # ABB STAL # ACERALIA # AKZO # ALFA LAVAL # ALSTOM # AMOCO # ANSALDO AUDI # AVESTA POLARIT # BABCOCK WILLCOX # BALCKE DÜRR BASF # BAYER # BECHTEL # BLACK & VEATCH # BLOM & VOSS BP OIL # BRITISH PETROLEUM # BRITISH STEEL # BRICMONT CEPESA # CEZ # CITRÖEN # CODELCO # DANSER # COMPRIMO DEUTSCHE BABCOCK # DOW CHEMICAL # DSM # DUPONT EXXON ELECTRABEL # ELF ATOCHEM # ENDESA # ESSO # EDISON MISSION ENERGY # EVAL # FERRARI # EUROPEAN GAS TURBINES # FIRST ENERGY # FLUOR DANIEL # FOSTER WHEELER GE # GE PLASTICS # GENERAL ELECTRIC # IZAR # GENERAL MOTORS # HAMON # HOECHST # KALA NAFT # KAWASAKI HEAVY INDUSTRIES # KEMIRA # KOREA HEAVY INDUSTRIES KUWAIT PETROLEUM # KVAERNER # LURGI # LOCKHEED MARTIN MAN TURBO # PEMEX # MERCEDES BENZ # MICHELIN # PERTAMINA # MITSUBISHI HEAVY INDUSTRIES # PDVSA # MITSUI ENGINEERING # NORSE SHELL # NATIONAL IRANIAN OIL CO. # ÖMV # OPEL NESTE CHEMICALS # NESTLE OUTOKUMPU # NIPPON STEEL CORPORATION # PETROBRAS PETROGAL # PFIZER PHARMACEUTICALS # RAYTHEON E. & C. REPSOL PETROLEO # REPSOL QUIMICA # ROYAL SCHELDE SHELL SALDANHA STEEL # SARGENT & LUNDY # SIEMENS SLOVNAFT # STONE & WEBSTER # SKODA SOLVAY # SSAB STATOIL # STEIN HEURTEY # STEYR # SULZER # TECHNIP TEXACO # THYSSEN # TOYO ENGINEERING # TOYOTA # UHDE UNION CARBIDE # USINOR # VALMET # VOLVO # WESTINGHOUSE

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