company presentation

CARCO LARGE DIAMETER SEALS

CARCO - PRECISION RUBBER PRODUCTS S.p.A.
20060 Basiano (MI) - Via U. Foscolo, 2/4 – Italy - T. +39 02 95760331
sales@carcoprp.com – www.carcoprp.com

PRP PRECISION RUBBER PRODUCTS

Overview

CARCO-PRP belongs to a group of companies with more than 350 people operating in different Countries.

CARCO-PRP headquarter and manufacturing facilities are in Basiano, Italy.

Other sales offices are in:

- Hamburg (Germany)
- Marseille (France)
- Cleveland - Ohio (USA)
- Shanghai (China)

CARCO-PRP is a global supplier offering a variety of sealing solutions with different profiles and materials.

More than a century of experience

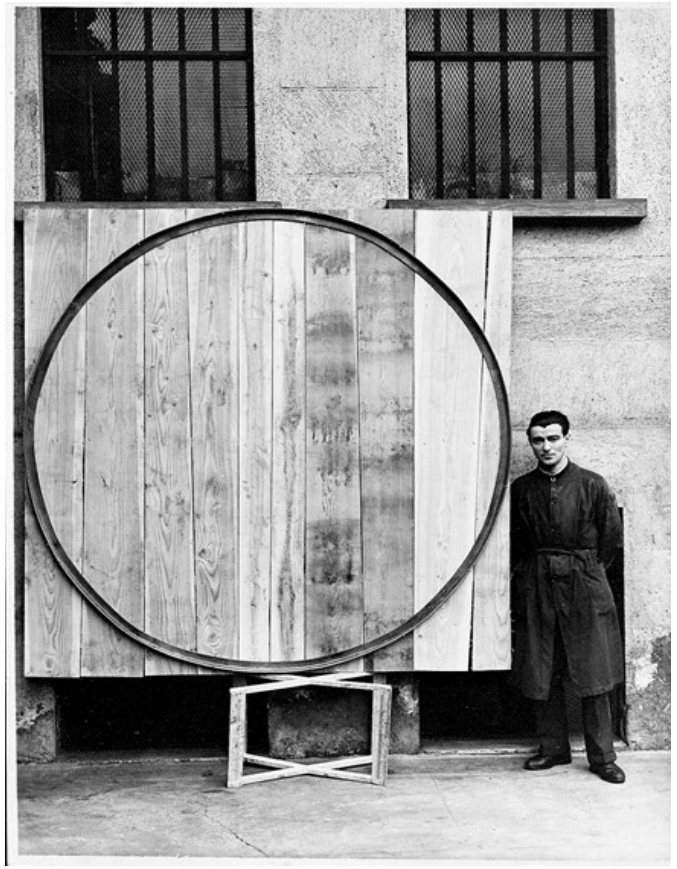
From leather seals for hydropower plants in the Alps back in year 1900 to today's giant seals for Tunnel Boring Machines.

This is the CARCO evolution in more than a century.

Never compromising on quality, we have been manufacturing:

- fabric reinforced rubber seals
- thermoplastics seals

for rotary and hydraulic applications with no limit in diameter.



The company

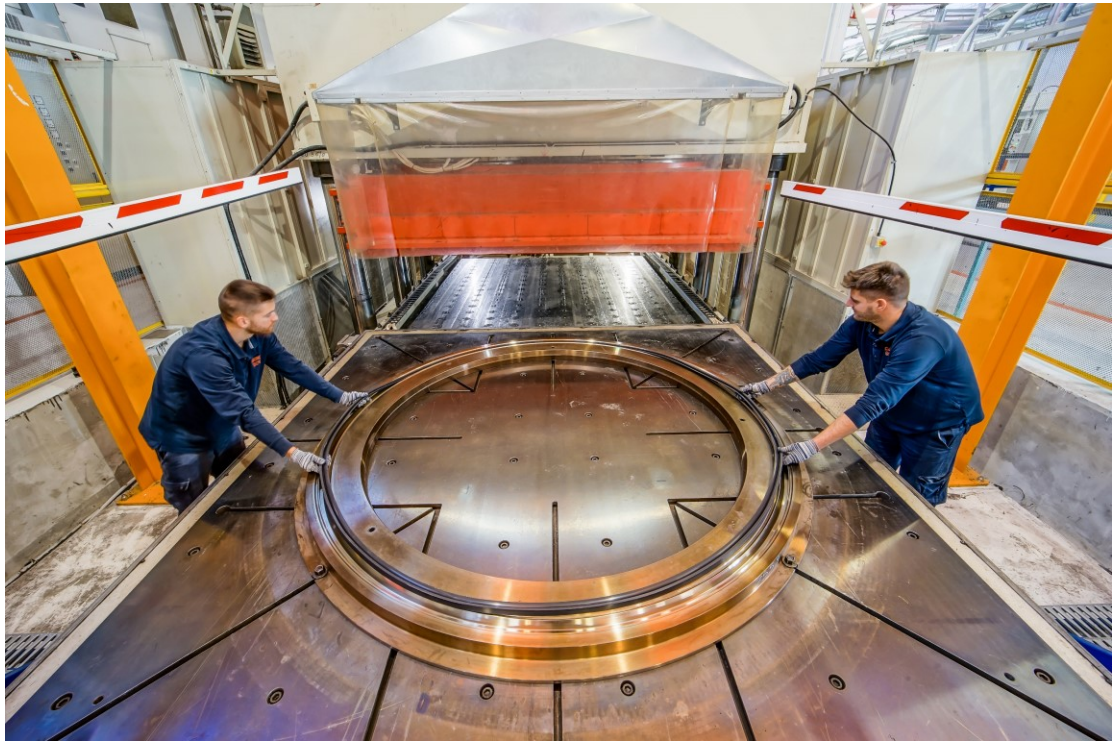
A team of motivated people offering sealing solutions for critical applications.

Solving the problems of heavy industry large diameter machinery:

- Tolerances
- Eccentricity
- Roughness
- Need of split seals
- Re-usable seals after disassembling

We have one of the largest hydraulic presses in the world to vulcanize rubber seals:

- Endless seals up to 3 meter diameter
- Larger Seals with hot joint



CARCO®
LARGE DIAMETER SEALS

PRP®
PRECISION RUBBER PRODUCTS

State of the art manufacturing

PLC controlled moulding presses

Quickness and flexibility:

- 3 weeks standard delivery time
- Up to 48 hours for rush orders

On time delivery:

- Visual factory approach
- Working time flexibility

CNC giant lathe machine of 3 meter diameter for giant thermoplastic seals.

CARCO®
LARGE DIAMETER SEALS

PRP®
PRECISION RUBBER PRODUCTS

Industries

HYDRAULIC CYLINDERS

HYDRAULIC PRESSES

HYDROPOWER

SHIPBUILDING

TUNNELLING

WINDPOWER

CARCO®
LARGE DIAMETER SEALS

PRECISION RUBBER PRODUCTS

Industries

STEEL INDUSTRY

AEROSPACE

PHARMA

FOOD & BEVERAGE

OIL&GAS

CHEMICAL

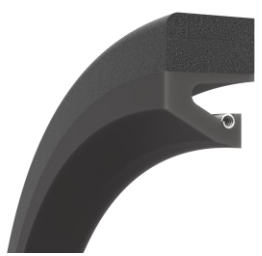
CARCO®
LARGE DIAMETER SEALS

PRP
PRECISION RUBBER PRODUCTS

Product range

Rotary shaft seals:

- Fabric reinforced and full rubber
- PTFE with energizer
- Low friction polyurethane

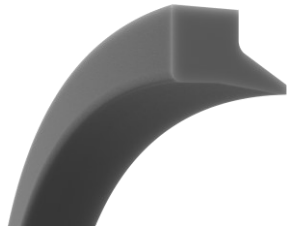


Hydraulic seals:

- Fabric rubber V-packings
- PTFE with energizer
- Low friction polyurethane
- UHMW-PE

Wipers:

- Fabric reinforced and full rubber
- Low friction polyurethane
- PTFE with energizer



CARCO®
LARGE DIAMETER SEALS

PRP
PRECISION RUBBER PRODUCTS

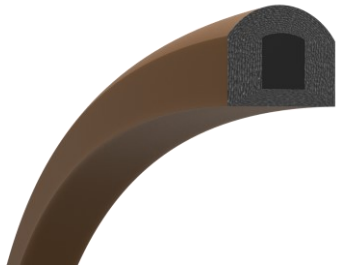
Product range

Spring energized seals:

- PTFE jacket with fillers
- Stem packings
- Elgiloy springs of various profiles

Static and semi-static seals:

- Fabric reinforced and full rubber
- Low friction polyurethane
- Other materials



Guiding systems:

- Guide rings
- Guide bands
- Flat sliding parts
- Various shapes

Inflatable seals:

- Fabric reinforced and full rubber

R&D – problem solving

How we solve a sealing problem:

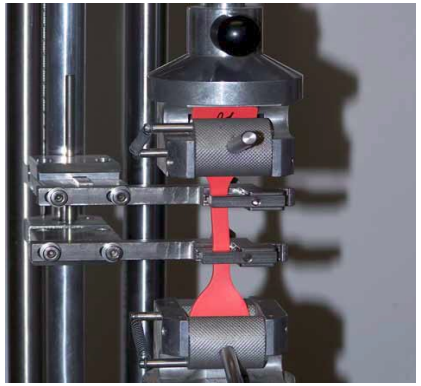
- Our people

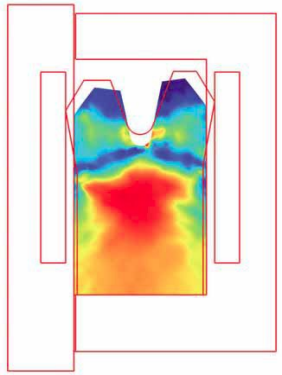
- More than 100 years of experience

- Evaluation test on test-rig

- FEA models

- Co-design with customers





CARCO®
LARGE DIAMETER SEALS

PRP
PRECISION RUBBER PRODUCTS

Quality assurance

ISO 9001 certified since 1992

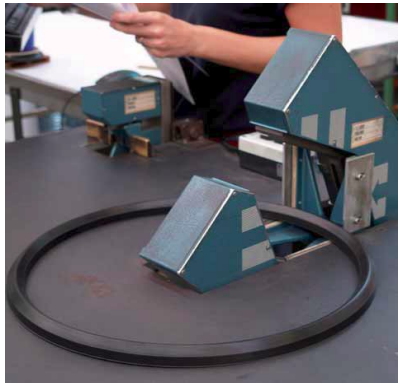
Moulding processes PLC controlled

100% visual and dimensional inspections

Full traceability records

Individual packaging and labelling

Dedicated quality control plans



CARCO®
LARGE DIAMETER SEALS

PRECISION RUBBER PRODUCTS

Why CARCO Precision Rubber Products?

FAST REACTION

FROM SMALL TO GIANT SIZES

WORLDWIDE NETWORK

MOLDED AND MACHINED SEALS

TECHNICAL SUPPORT

ENDLESS AND SPLIT SEALS

Ready to recommend the most suitable seal

THANKS
CARCO®
PRECISION RUBBER PRODUCTS
CARCO®
LARGE DIAMETER SEALS
prp
PRECISION RUBBER PRODUCTS