



# THE SAFE CHOICE





# Presentation & company profile

Thomas Petersen – M Seals Denmark

ABOUT US

**M SEALS**  
- Part of Diploma PLC

# Who we are

- Part of Diploma PLC

**M Seals is a part of Diploma PLC**, an international group of businesses supplying specialised technical products and services. Diploma PLC operate globally in three distinct sectors:

**LIFE SCIENCES  
SEALS  
CONTROLS**



**The turnover** of the entire organization is today over 400 mio € and we are over 1250 employees.

# SISTER COMPANIES

PART OF DIPLOMA PLC

Text

***Hercules***  
FLUID POWER GROUP

The Hercules Fluid Power Group supplies to the aftermarket through the **Hercules, Bulldog and HKX businesses** and to Industrial OEM's through the **RT Dygert, All Seals and J Royal Business**

The logo for FPEseals features three overlapping semi-circular arcs in red, blue, and orange above the text "FPEseals" in a sans-serif font.

FPE Seals supplies a range of seals, seal kits, cylinder parts and sealants from a range of manufacturers.

**KENTEK OY**

**Kentek** supplies filters and related products, used in heavy mobile machinery and industrial equipment applications

**KUBO**

**Kubo** is a long established and leading supplier of seals, O-Rings, gaskets and molded rubber parts to a large and diverse base of industrial customers in Switzerland and Austria.

# DIPLOMA PLC FACTS

Total Turnover 2011\*

**289**

Total Turnover 2012\*

**326**

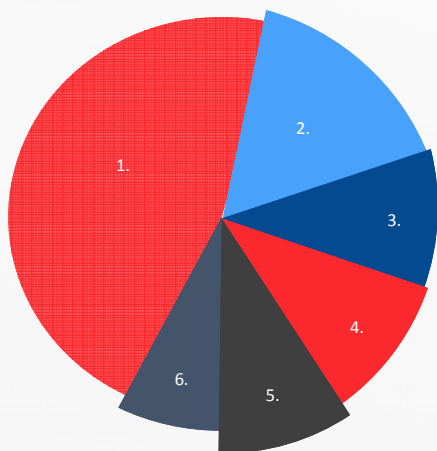
Total Turnover 2013\*

**360**

Total Turnover 2014\*

**422**

\* The turnover is in € million.



1. Seals & Seals kit

46%

2. O-rings

14%

3. Filters

11%

4. Attachment Kits

10%

5. Cylinders & Others

10%

6. Gaskets

9%

**TODAY!**

**Total turnover  
422 million EURO.**

**The turnover for the  
business area SEALS is  
150 million EURO**

**Total employees: 1250.**



01

02

03

04

05

# M Seals

- Part of Diploma PLC

## MILESTONES

**1963**

The company was founded as Mogens Christensen, Ingeniør- & Handelsfirma A/S.

**1997**

ISO 9001 certificated

**1999**

The brand name M Seals A/S is adopted as company name

**2004**

M SEALS starts a branch in Sweden

**2007**

M Seals becomes a part of Diploma PLC.  
We start the production of M FLEX™

**2009**

A new branch in  
Beijing, China

**2014**

M Seals has acquired the seal distributor  
Ramsay Services, UK

01

02

03

04

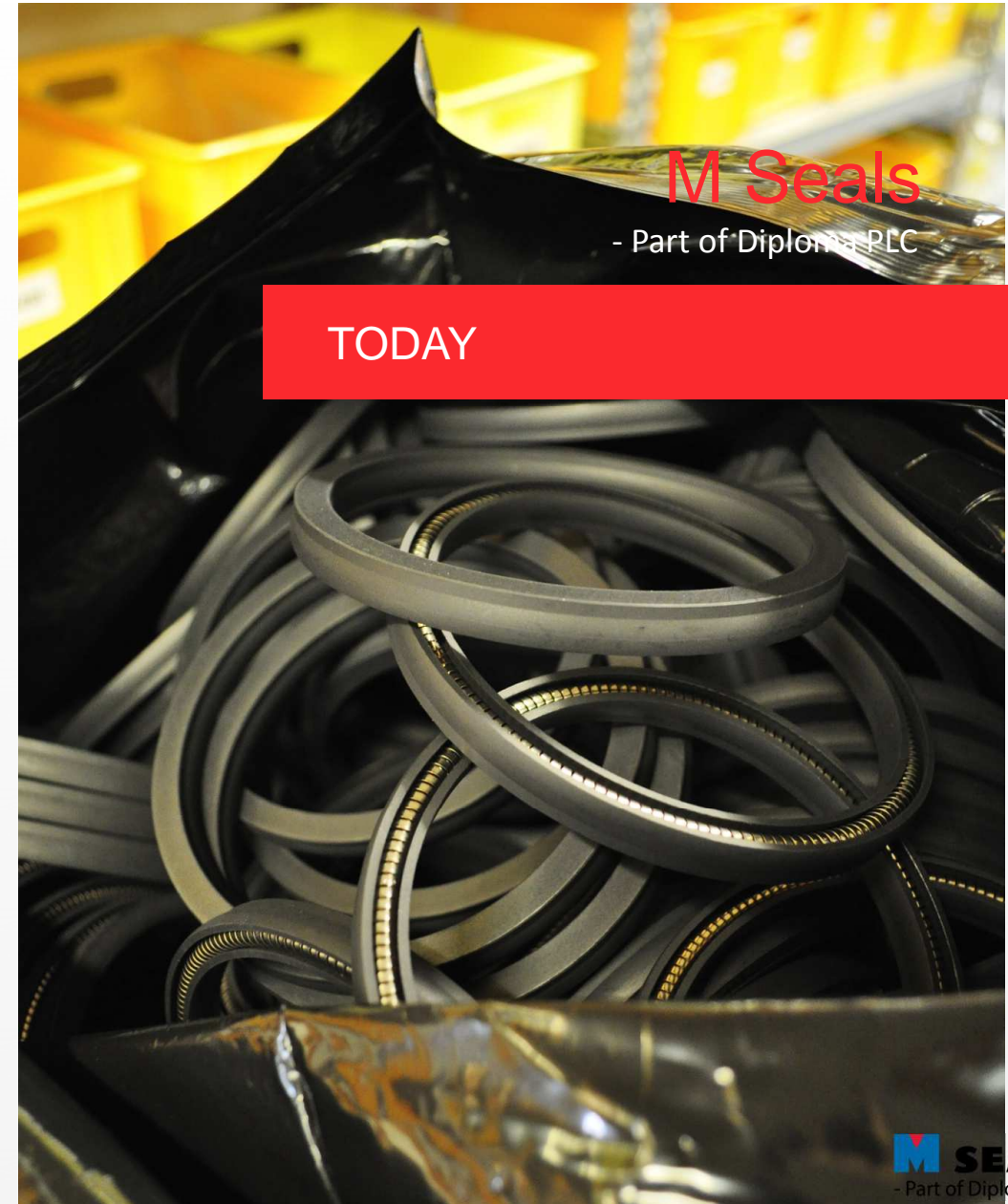
05

**We are in a phase of rapid development** and at our disposal we have 5,000 m<sup>2</sup> of offices, lab, production and warehouses .

M Seals in Sweden, has grown significantly and our company in China, has given us an entry point for our big Asian market.

With the acquisition of Newcastle based Ramsay Services in 2014, M Seals have fully entered the UK market, adding the expertise in the Aerospace, Defence and Oil & Gas markets.

- ✓ Specialized sealing solutions for all industries
- ✓ ISO 9001:2008 certified
- ✓ 5000 m<sup>2</sup> warehouses
- ✓ More than 50 000 products, most of them ready to be shipped from our stock.
- ✓ Full traceability and shelf life control on all products
- ✓ Our M FLEX™ production is documented according to the principles of TS16949
- ✓ Close relationship with many of the worlds leading manufacturers



# M Seals

- Part of Diploma PLC

TODAY

8



## Export all over the world

Our customers have production sites all over the world and M Seals can be your global supplier with shipments to all continents.



## Global export

Export world wide

## Our products

Over 50 000 items

# Range of seals

### M Seals range of seals is unique

Our range includes the smallest O-rings for hearing aids to large 3.5 meter lip seals for wind turbines, supplied in all elastomers and several high end plastics.



## PRODUCTS





# O-rings & X-rings

Our most sold product





# Shaft seals

Radial shaft seals & V-rings





# Mechanical seals





# PTFE seals

O-ring- & spring activated





# Hydraulic & pneumatic

lipers, piston seals, rod seals and guide rings





# Sanitary gaskets

ISO 2852

ISO 1127

ISO 2853

DIN 32676

DIN 11851

DIN 11864

SMS 1149

DS

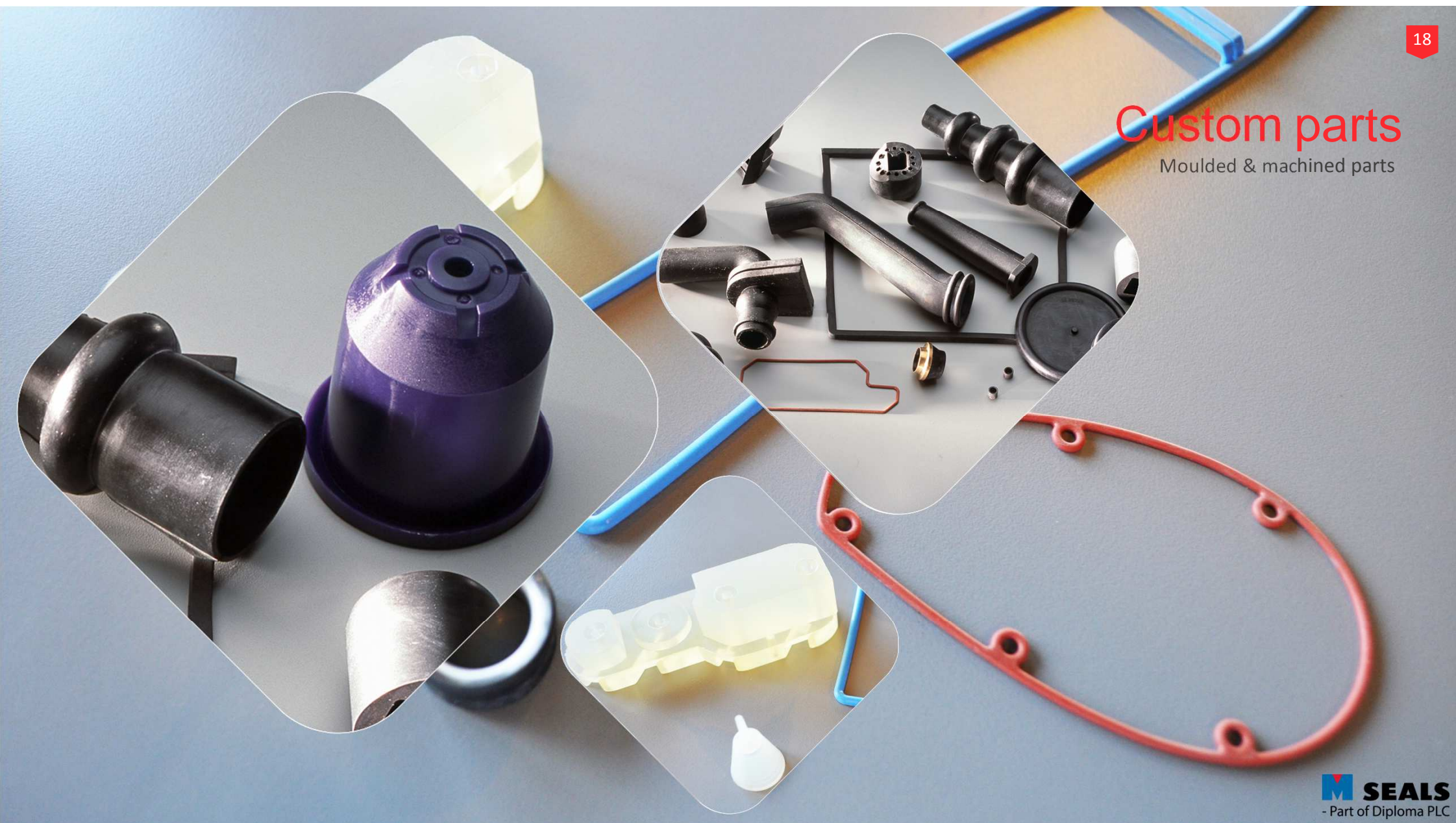
MINI CLAMP

LIPPED/UNLIPPED



# Custom parts

Moulded & machined parts





## Bonded seals & circlips





# Accessories





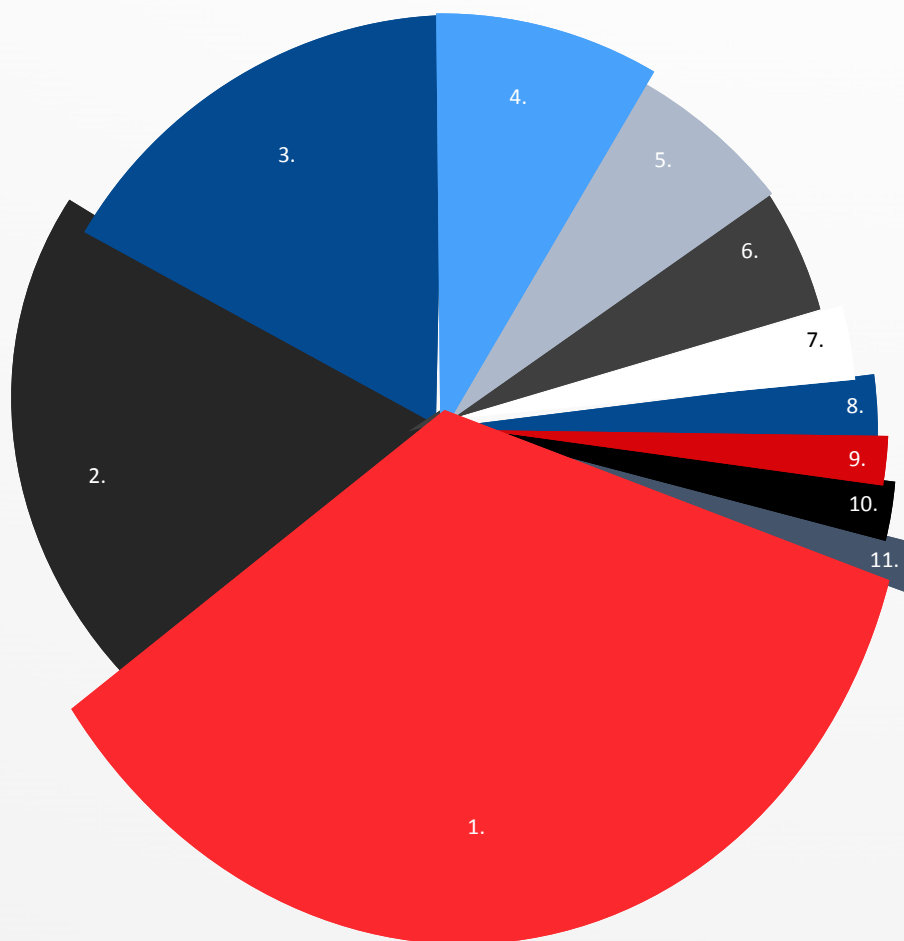
# Production

M-FLEX™



## Total sales

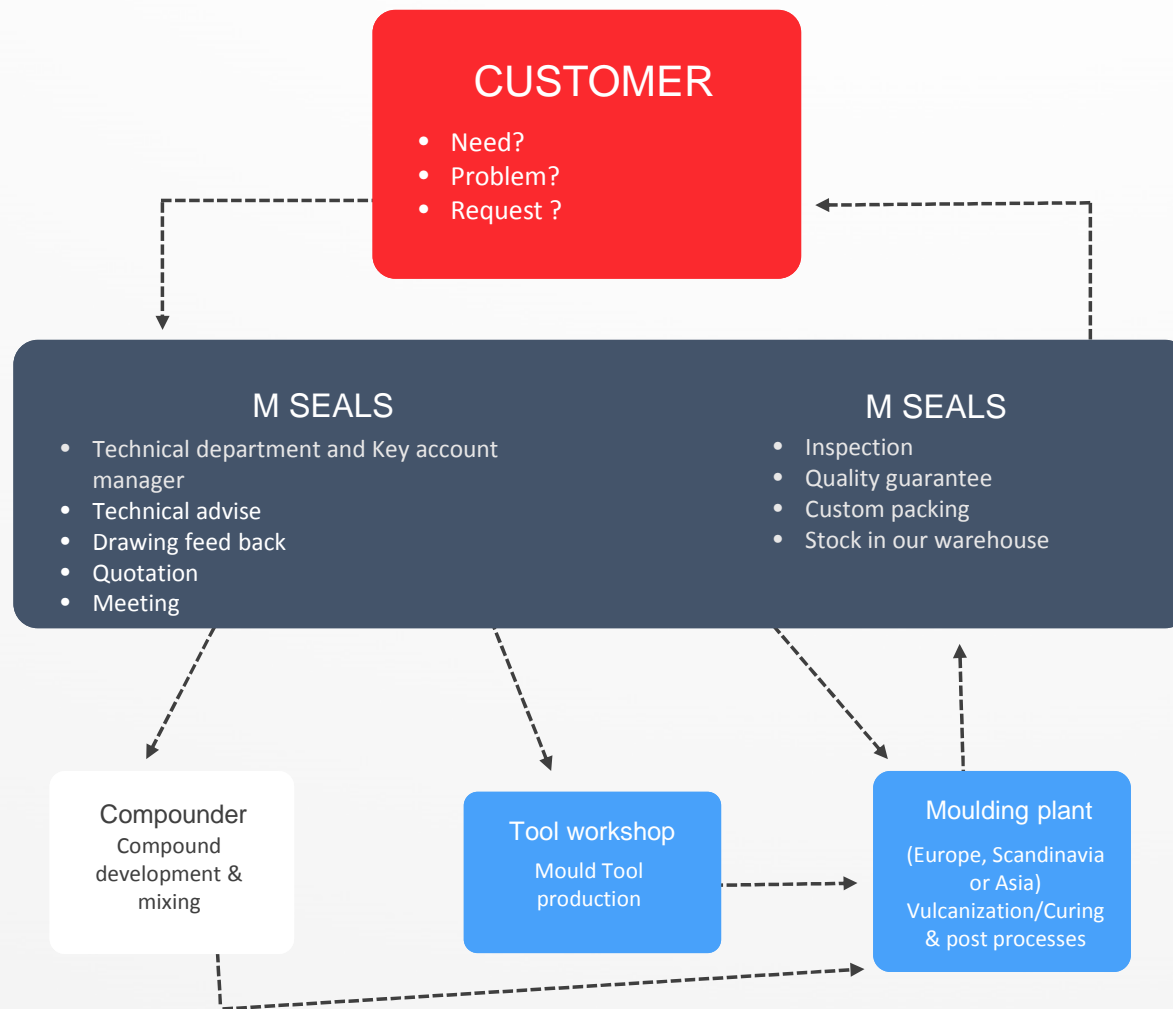
of product groups



1. O-RINGS	36%
2. RADIAL SHAFT SEALS	19%
3. PTFE	15%
4. OTHER PRODUCTS	8%
5. MOULDED PARTS	6%
6. SANITARY GASKET	5%
7. HYDRUALIC & PNEUMATIC	3%
8. V-RINGS	3%
9. MECHANICAL SEALS	2%
10. WASHER/BONDED SEALS	2%
11. BRAIDED PACKINGS	1%

# Organizational Flow

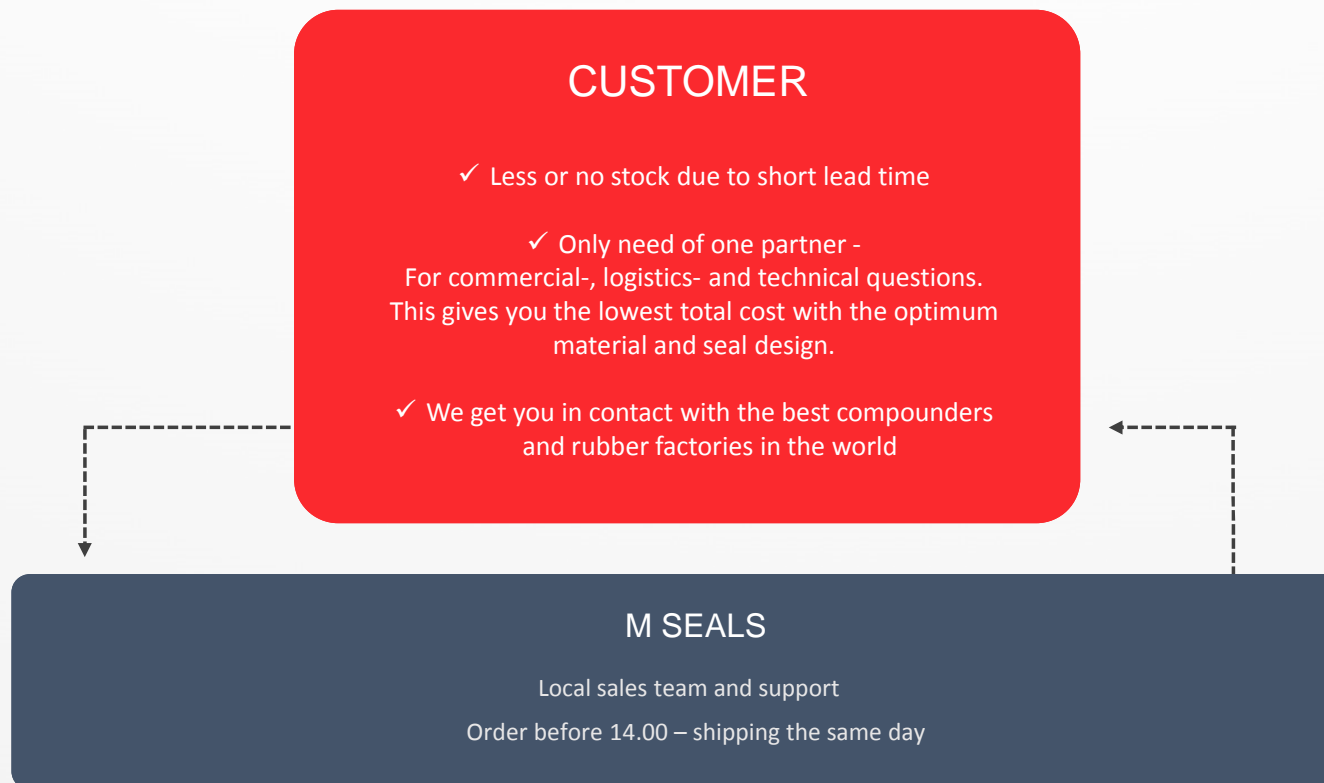
First order – new item





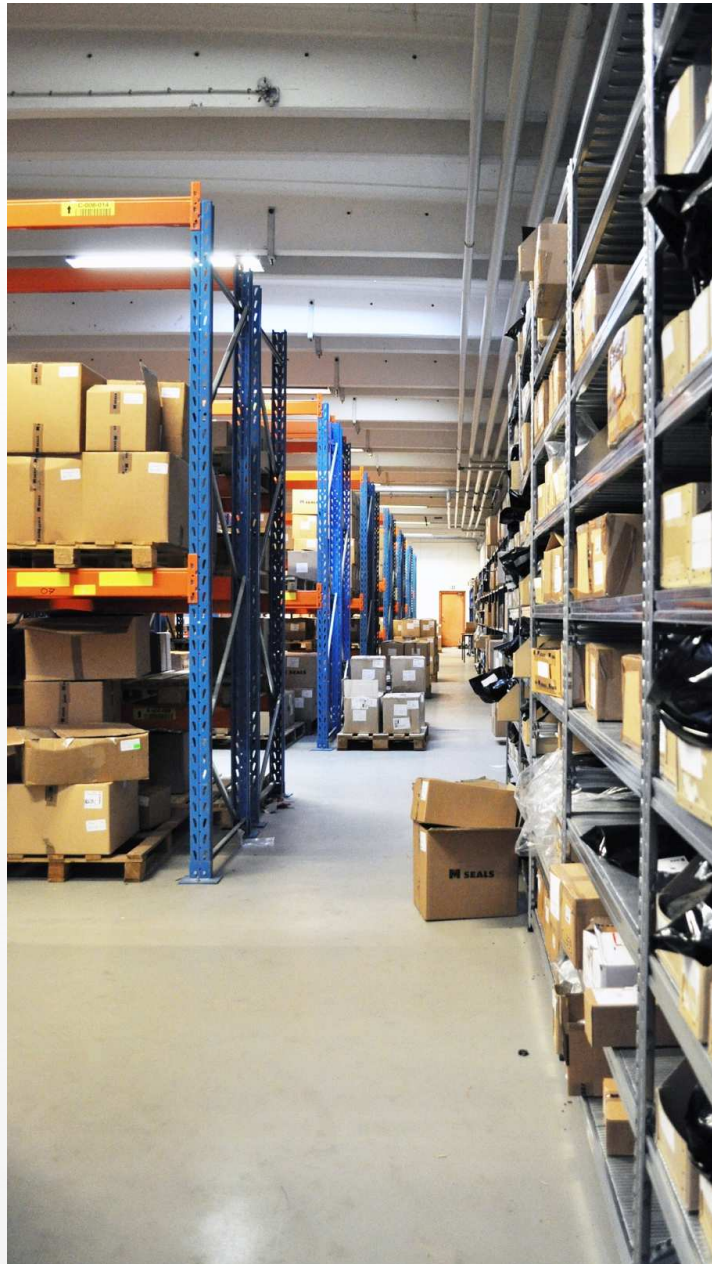
# Benefits

For you as a customer to M seals



## Export all over the world

At M Seals, we consider it to be of the utmost importance to offer the best logistic solutions, based on mutual agreements regarding deliveries at scheduled dates and quantities. Under such agreements smooth deliveries are ensured. Furthermore, your company will become a key account customer and benefit from extra monitoring and follow-up service on agreed frame orders. A dedicated person, with knowledge of your requirements, will be responsible for the service.



## You are a Key Account Customer

M Seals consider it to be of the utmost importance to offer the best logistic solutions, based on mutual agreements regarding deliveries at scheduled dates and quantities.

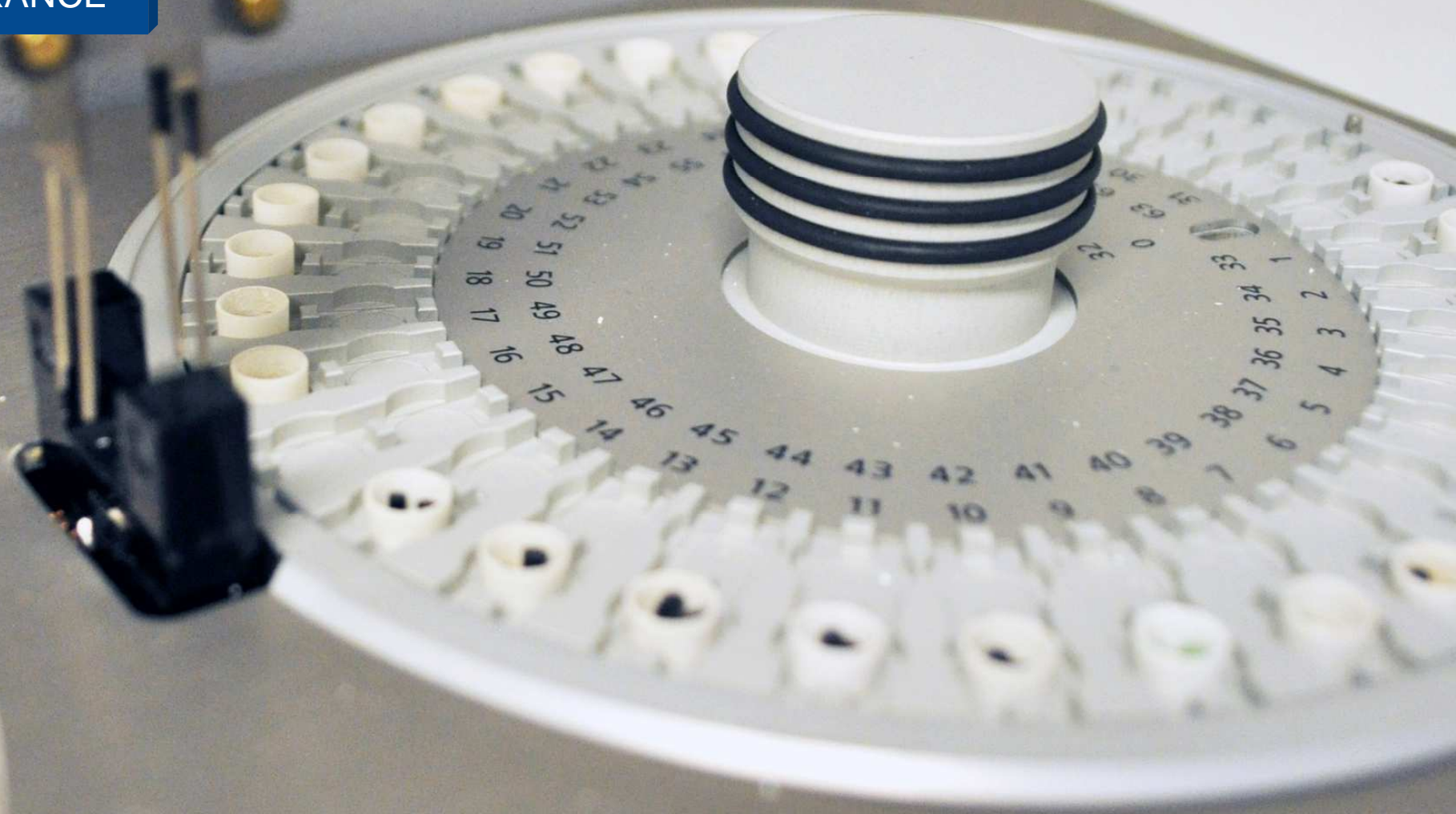
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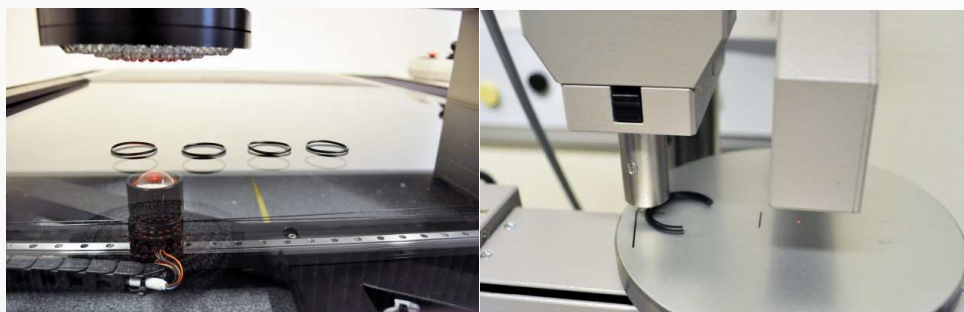




## QUALITY ASSURANCE



# Quality assurance & inspection



## Control of dimensions

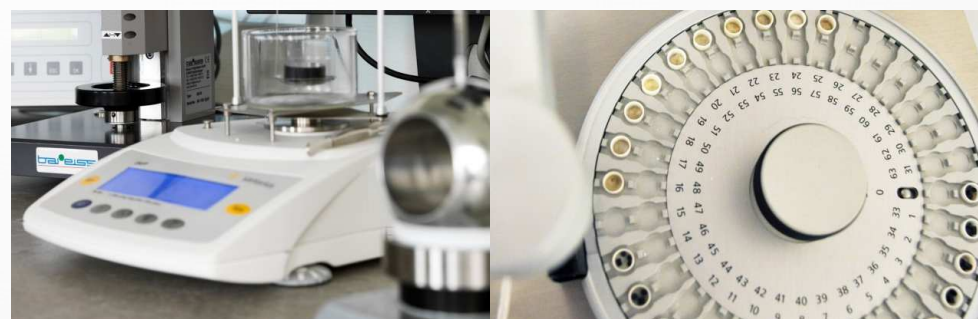
For dimensional control our Micro-Vu high precision 3-D measuring machine is working on the non-touch principle, which is superior for softer materials.

## Testing hardness

Equipment for testing the hardness of our rubber and PTFE parts.

## Compression Set

We do compression set tests to control the cure grade of the rubber.



## Testing volume swell

Equipment for testing volume swell in different liquids.

## Thermo Gravimetric Analysis, TGA

Analysis instrument for material evaluation.

## FT-IR Spectrophotometer.

The FT-IR is used to identify materials.

# Value propositions

Our values



TECHNICAL SKILLS



ISO 9001:2008 CERTIFIED



QUALITY ASSURANCE



HIGH SERVICE LEVEL



DAY TO DAY DELIVERY



LOW PRICE LEVEL



FLEXIBLE



BROAD RANGE OF MATERIAL APPROVALS

FDA, KTW, WRC, NSF, USP, 3A, USP VI  
etc.



## MARKETS



# WIND POWER

Shaft, bearings, gearboxes

## WIND POWER

Heavy duty shaft seals

V-rings



# FOOD & DAIRY

Sanitary Fittings, Tri Clover Clamps

## FOOD & DAIRY

PTFE seals and parts  
Sanitary gaskets  
O-rings  
Custom parts  
Kalrez® parts  
FDA and 3A sanitary grades

# PHARMA

Sanitary Fittings, Tri Clover Clamps

## PHARMA

PTFE seals and parts

Kalrez®

M Flex

Sanitary gaskets

O-rings

Custom parts

FDA, USP VI and BSE/TSE certificate



# HYDRAULIC & PNEUMATIC

Cylinders, swivels

## HYDRAULIC & PNEUMATIC

Rod- & Piston seals  
Wipers  
Guide rings  
Spare Kits



# CHEMICAL

Pumps and valves

## CHEMICAL

PTFE seals and parts

Kalrez®

Gaskets

Mechanical seals

Back-up rings

Custom parts

Shaft seals

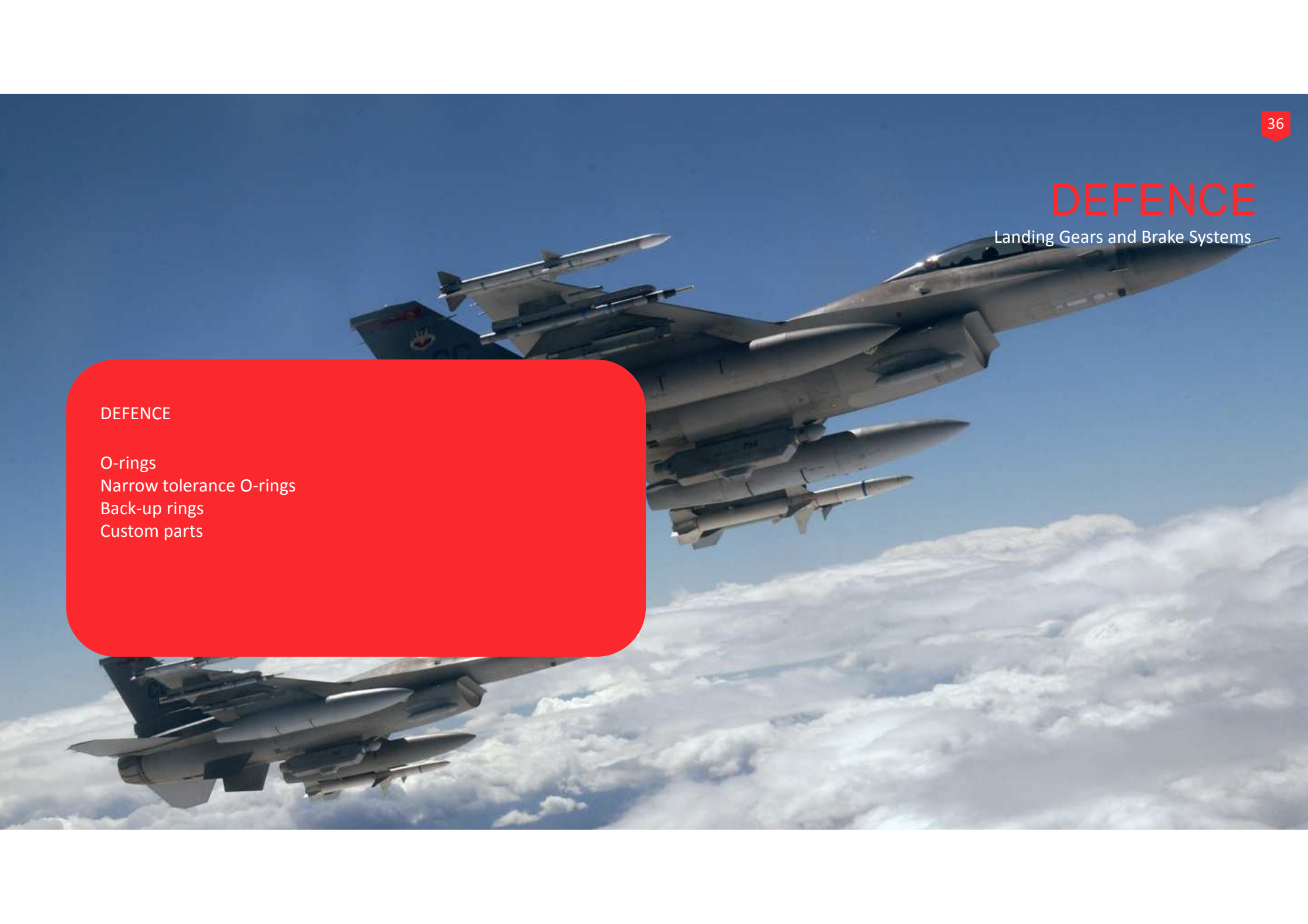


# DEFENCE

Landing Gears and Brake Systems

## DEFENCE

O-rings  
Narrow tolerance O-rings  
Back-up rings  
Custom parts



# AUTOMOTIVE

Engine, wheel drive, gear boxe

## AUTOMOTIVE

O-rings  
Shaft seals  
Custom parts

PPAP Level 3 documentation  
Production according TS 16949



# OFF SHORE

Pump, Valves

## OFF SHORE

PTFE  
Kalrez®  
Gaskets  
Mechanical seals



# AERO

Landing Gears and Brake Systems

AERO

O-rings

Back-up rings





# OIL & GAS

Valves , Pipes , Pumps, Couplings

## OIL & GAS

O-rings  
Back-up rings  
PTFE  
Kalrez®  
Gaskets  
Mechanical seals

## REFERENCES





# CUSTOMER REFERENCES

General Industry



# CUSTOMER REFERENCES

General Industry





# CUSTOMER REFERENCES

AUTO





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