

# SEALING TECHNOLOGIES

The leading brand of oil seals!



SKT  
Company  
Presentation

 DINIZ  
HOLDING



**Establishment:** 1976

**Owner:** Diniz Family (100%)

**No. of companies:** 14

**No. of employees:** ca. 4.000

**Turnover:** 350 Mio. EUR

# DINIZ HOLDING Group Companies

www.skt.com.tr

65  
YEARS

## AUTOMOTIVE %87



**SKT**  
1955  
100% DINIZ

Rotary shaft  
seals and other  
sealing  
elements



**OTOTRIM**  
1993  
JV w. GRUPO ANTOLIN

Headliners, door  
panels, window  
lifters and sun  
visors



**DINIZ ADIENT**  
1994  
JV w. ADIENT

Complete  
seats



**TREDIN**  
2000  
JV w. TREVES

Parcel trays,  
boot trims, and  
sound insulators



**ELELE**  
1987  
33% DINIZ

Seat foams



**THIERRY DINIZ**  
2008  
JV w. ADIENT

Automotive  
textiles



**OOO<<<CKT>>>**  
2014  
100% SKT

Sales and  
logistics  
company in  
Russia



**Tesca DINIZ**  
2015  
JV w. TREVES

Headrests,  
armrests



**ADIN**  
2016  
JV w. ADIENT

Trim covers  
for car seats



**SKT Europe GmbH**  
2019  
100% SKT

Sales Office in  
Mannheim,  
Germany

## FOOD %11



**MARTAŞ MARMARA**  
1972  
100 % DINIZ

Frozen fruits and  
vegetables, and  
tomato paste



**MARTAŞ**  
1996  
100 % DINIZ

Catering

## OTHERS %2



**DINIZ YAPI**  
1977  
100 % DINIZ

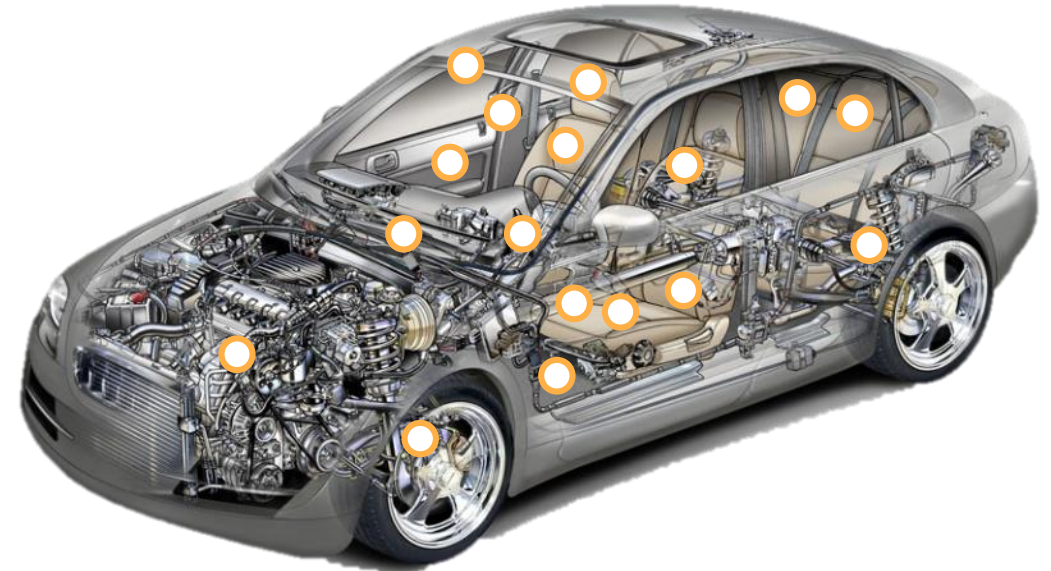


**DOPERTEKS**  
1986  
100% DINIZ

Home textile



**DINIZ SİGORTA**  
1991  
100 % DINIZ





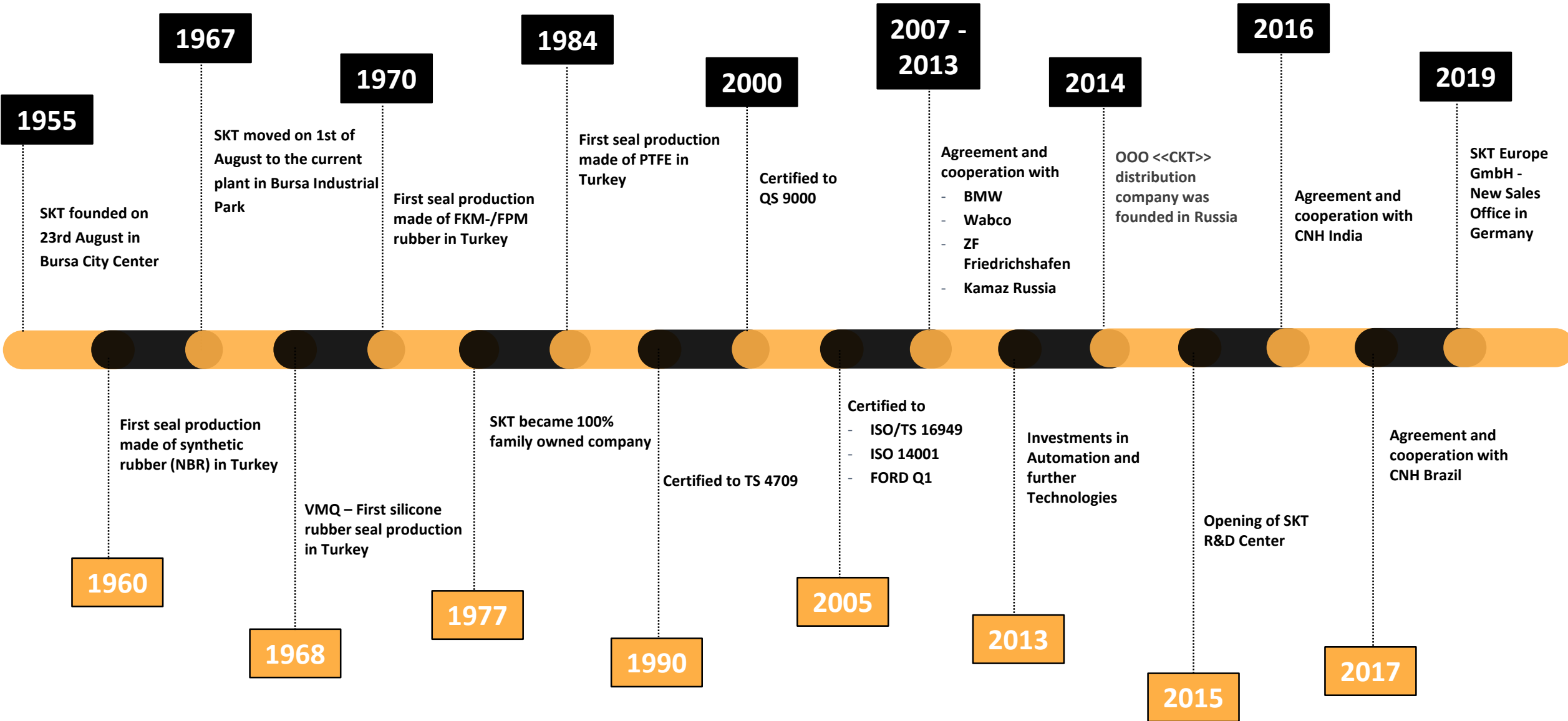
**THE LEADING BRAND OF OIL SEALS!**

<b>Establishment:</b>	<b>1955</b>
<b>Owner:</b>	<b>Diniz Family (100%)</b>
<b>Total area:</b>	<b>20.000 sqm (14.000 sqm closed area)</b>
<b>No. of employees:</b>	<b>ca. 370</b>
<b>Main products:</b>	<b>Rotary shaft, valve stem, and hydraulic seals</b>
<b>Turnover:</b>	<b>17 Mio. EUR</b>
<b>Production capacity:</b>	<b>35.000.000 units / year</b>

# MILESTONES of SKT

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65  
YEARS



# PRODUCT PORTFOLIO | Profiles

www.skt.com.tr

65  
YEARS



L1



L1L



L2



L3



L3L



L3TL



L3TLR



L3BTL



L5



L13



L13TL

## Standard seals



LSY



LSY2T



LSY5T

## Valve stem seals



L3X



KOMBI 3



KOMBI 4



KOMBI 5

## Combined seals



SL



SLL



SC4



SC5



SC6

## Cassette seals



F2TK



F2TL



F5F



F25TL

## PTFE lip seals



**WABCO**



**FEDERAL  
MOGUL**



**Maysan Mando**

**ANADOLU  
MOTOR**

**HEMA  
ENDÜSTRİ A.Ş.**

**TİRSAN**

**Otokar**

**ISUZU**

**BMC**

**KARSAN**



**Ege Endustri**

**Ege Fren**





B/S/H/



65  
YEARS

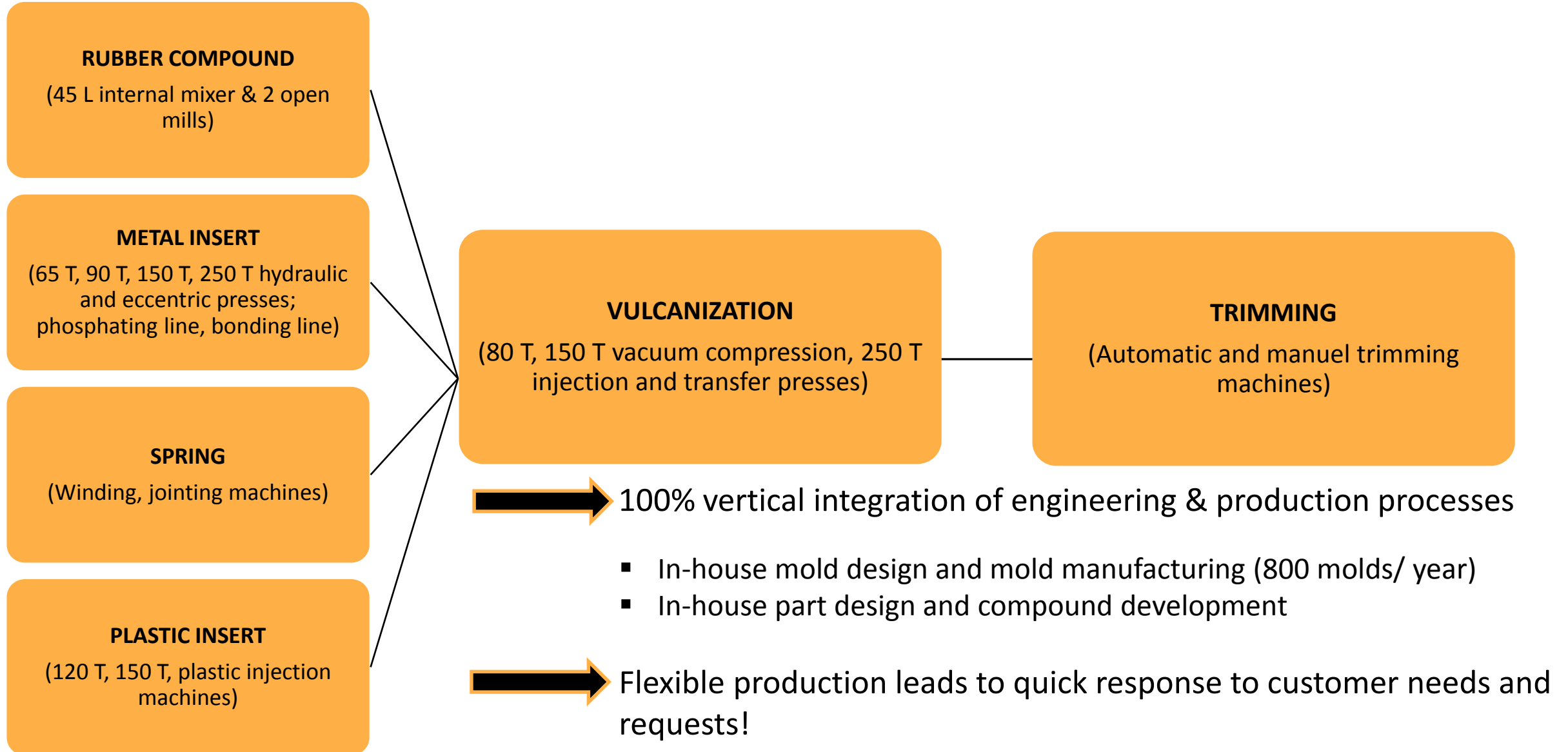
- 
- A world map illustrating SKT's global distribution network. The map highlights several key regions in orange: North America (USA), South America (Brazil), Europe (UK, France, Italy, Poland, Hungary, Romania, Ukraine, Germany), Africa (Algeria), Asia (Iran, Pakistan, India, China), and Russia. Three callout boxes provide specific details:
- Germany:** Sales Office SKT Europe GmbH
  - Russia:** Sales & Logistics Warehouse OOO<<CKT>>
  - Turkey:** Bursa HQ, Manufacturing, R&D Center
- Dashed lines connect these callouts to their respective locations on the map, showing a central hub-and-spoke model with Turkey as the primary manufacturing and R&D center.



# OUR STRENGTHS| In-house competences

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65  
YEARS



- First seal production made of synthetic rubber (NBR) in SKT Turkey
- More than 50 years of experience in rubber compound development in-house
- Extensive know-how of all polymer types and specifications
- Own formulas – own recipes
- Compound development according to customer specifications, ASTM D2000 and SAE J200 material standard
- Material test capability: Tribology, Rheometer, Tensometer, Density, Postcure oven, Aging oven, Oil bath, Ozone tester, TGA, DSC and others
- All raw material suppliers are certified



## ■ Temperature range

### NBR

Temperature °C  
- 40 °C  
+ 100 °C

### FKM

Temperature °C  
- 40 °C  
+ 220 °C

### ACM

Temperature °C  
- 40 °C  
+ 150 °C

### AEM

Temperature °C  
- 40 °C  
+ 175 °C

### HNBR

Temperature °C  
- 40 °C  
+ 150 °C

### PTFE

Temperature °C  
- 268 °C  
+ 260 °C

### TPU

Temperature °C  
- 25 °C  
+ 80 °C

### NR

Temperature °C  
- 60 °C  
+ 90 °C

### EPDM

Temperature °C  
- 40 °C  
+ 150 °C

### VMQ

Temperature °C  
- 60 °C  
+ 225 °C

### AU

Temperature °C  
- 35 °C  
+ 80 °C

### SBR

Temperature °C  
- 50 °C  
+ 100 °C

### CR

Temperature °C  
- 35 °C  
+ 100 °C

### IIR

Temperature °C  
- 50 °C  
+ 120 °C

# METAL INSERT | Stamping

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65  
YEARS

**Production Equipment:**

65T, 90T, 150T, and 250T hydraulic and eccentric presses (tandem and transfer)

**Control Equipment:**

Standard measurement and profile contour devices

**Frequency:**

Each batch





# METAL INSERT | Phosphating & Bonding Agent Appl.

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65  
YEARS

## Production Equipment:

Phosphating line, tumble spray equipments

## Control Equipment:

Gardometer, x-ray thickness measurement device, elcometer, solid content measurement device

## Frequency:

Periodic for phosphating line, each batch for bonding agent application



<b>Production Equipment:</b>	Winding, jointing machines
<b>Control Equipment:</b>	Microscope, spring gauge
<b>Frequency:</b>	Each batch





**Production Equipment:**

120T, 150T plastic injection machines

**Control Equipment:**

Profile contour device, standard measurement devices

**Frequency:**

Each batch



**Production Equipment:**

80T, 150T vacuum compression, 250T injection, and transfer presses

**Control Equipment:**

Profile contour device, standard measurement devices

**Frequency:**

Each batch



**Production Equipment:**

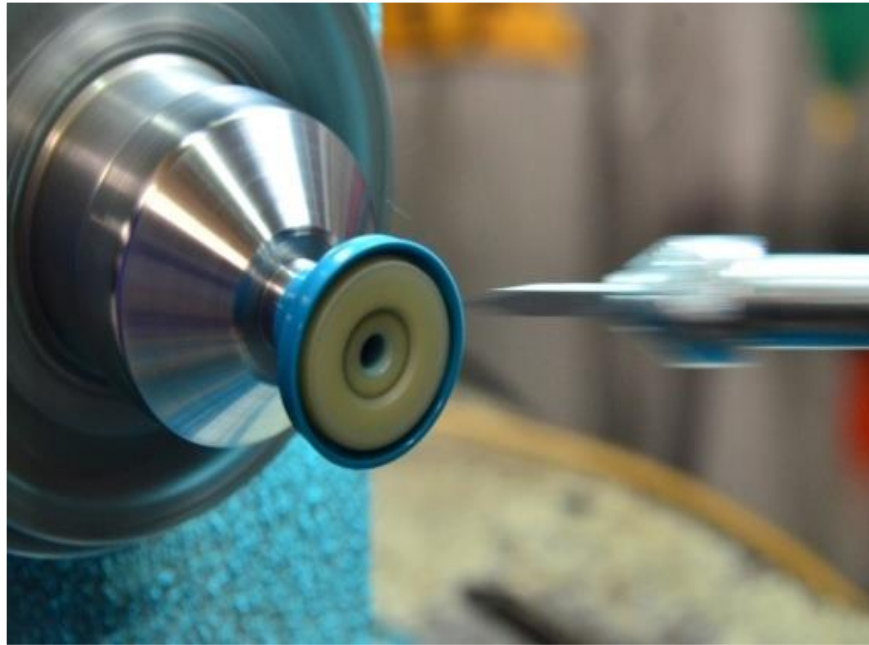
Automatic and manuel trimming machines

**Control Equipment:**

Profile contour device, standard measurement devices, and camera control

**Frequency:**

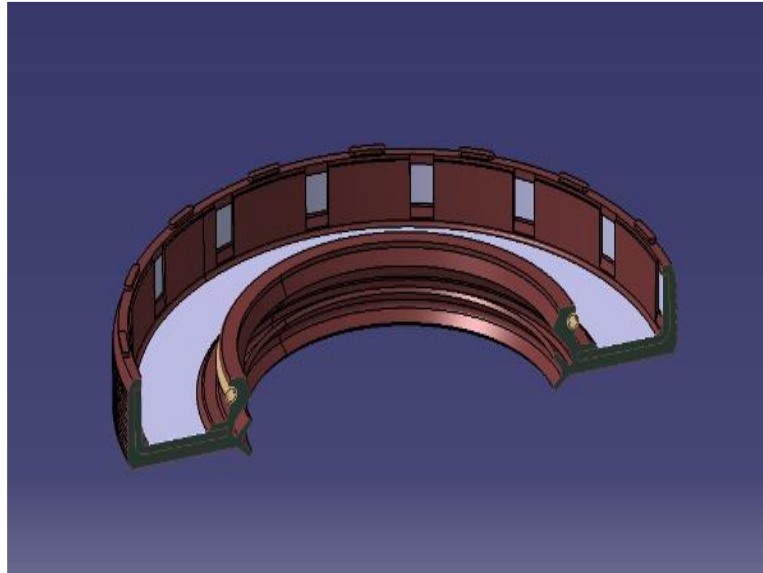
Each batch





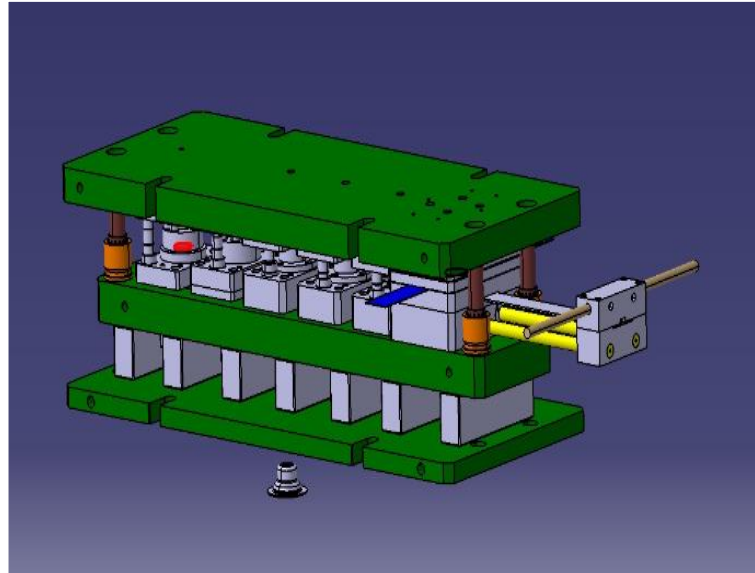
## Further investments in R&D and simulation software

- Competences in in-house part and mold design
- Tracking global markets to ensure customer requests (Benchmarking)



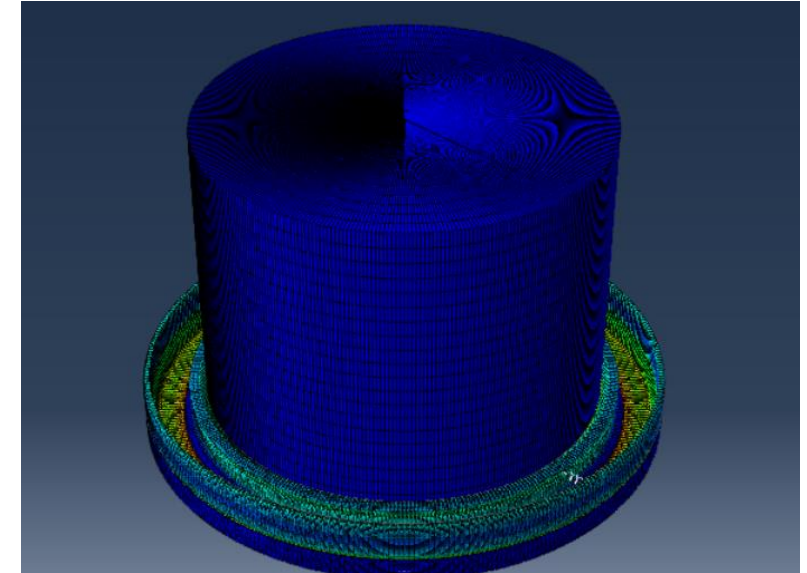
PRODUCT DESIGN

CATIA



MOLD DESIGN

CATIA

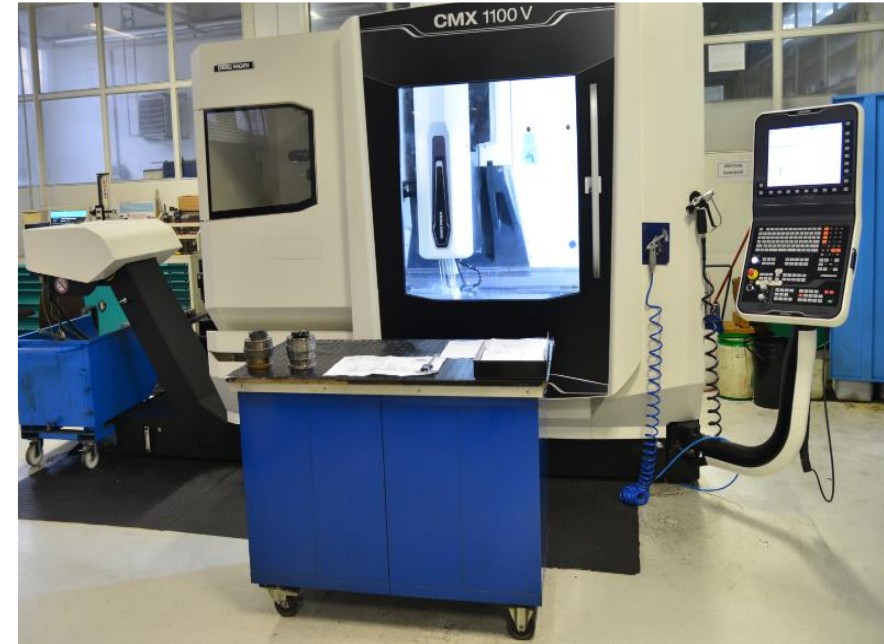


FINITE ELEMENT ANALYSIS

Abaqus FEA

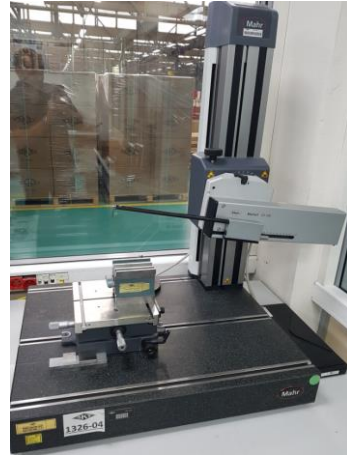
**Mold Shop Capacity:** 800 molds / year

**Equipment:** CNC vertical machining centers , CNC lathes and laser marking

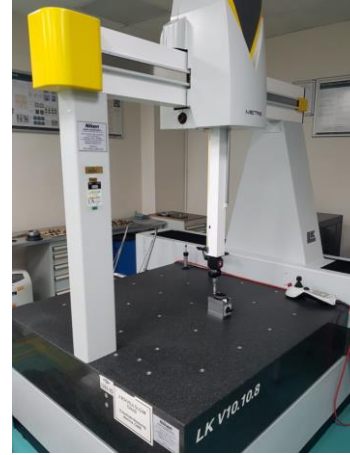




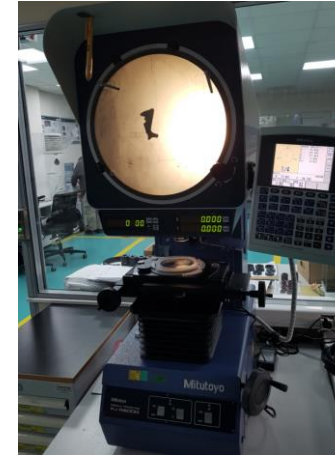
Optical Device



Contour Measuring



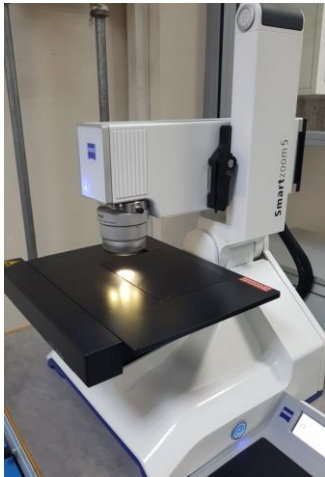
CMM



Profile Projection



Surface Roughness



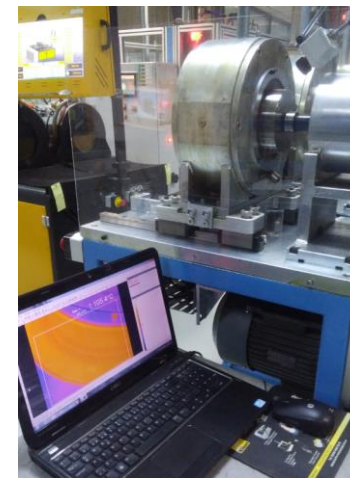
Optical Measurement Device



Stereo Camera



Spring Load Measurement Device



Thermal Camera



Radial Force Measurement Device



Coating Thickness with X-Ray



# QUALITY | Test Capacity & Product Validation

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65  
YEARS



**High Rotation Functional Test Device**



**Mud / Dust Functional Test Device**



**Low Temperature Functional Test Device**



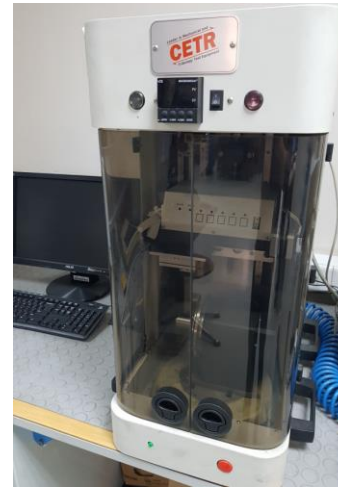
**Functional / Endurance Test Device**



**Functional Test Device Under Pressure**



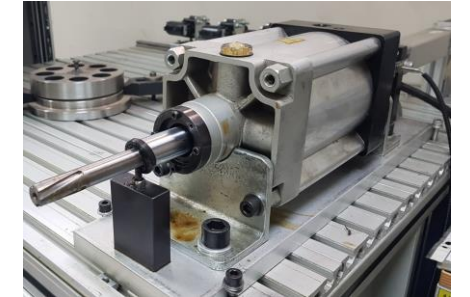
**Functional Test Machine for Washing Machines**



**Tribometer**



**Hot / Cold Test Cabin**



**Axial Piston Test Machine**

# QUALITY | Material Test Capability Rubber Compound

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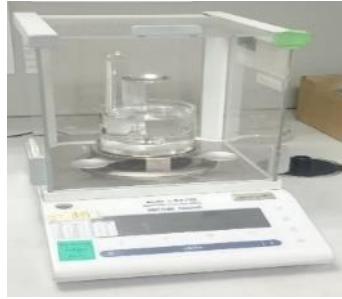
65  
YEARS



Tribology



Rheometer



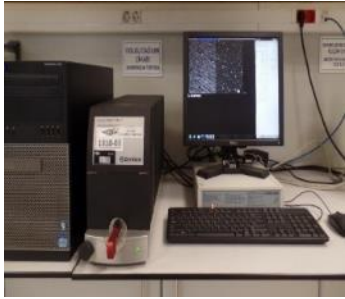
Density



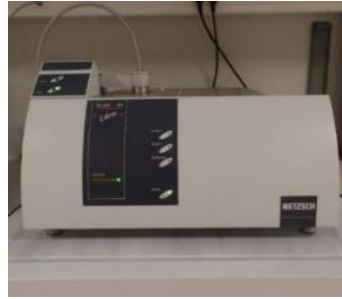
Stress relaxation



Postcure oven



Dispergerator



TGA



DSC



Shore A



Micro IRHD



Aging oven



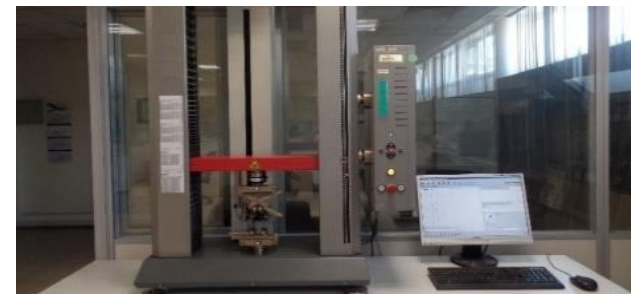
Oil bath



Ozone tester



Low temperature cabin



Tensometer



- SKT is not only a well-known brand for the Independent Aftermarket...
- ...but also a certified reliable supplier for globally-known OEMs and Tier1s



THANK YOU!

FOR MORE INFORMATION:

S K T . C O M . T R

