



UCEL[®]

**RUBBER TO METAL EXPERT
KAUÇUK & METAL UZMANI**

YOUR RUBBER TO METAL PARTS SOLUTIONS PARTNER



International
Organization for
Standardization



Kalite Yönetim Sistemi
TS EN 45012
AB-0021-KY

www.ucelrubber.com



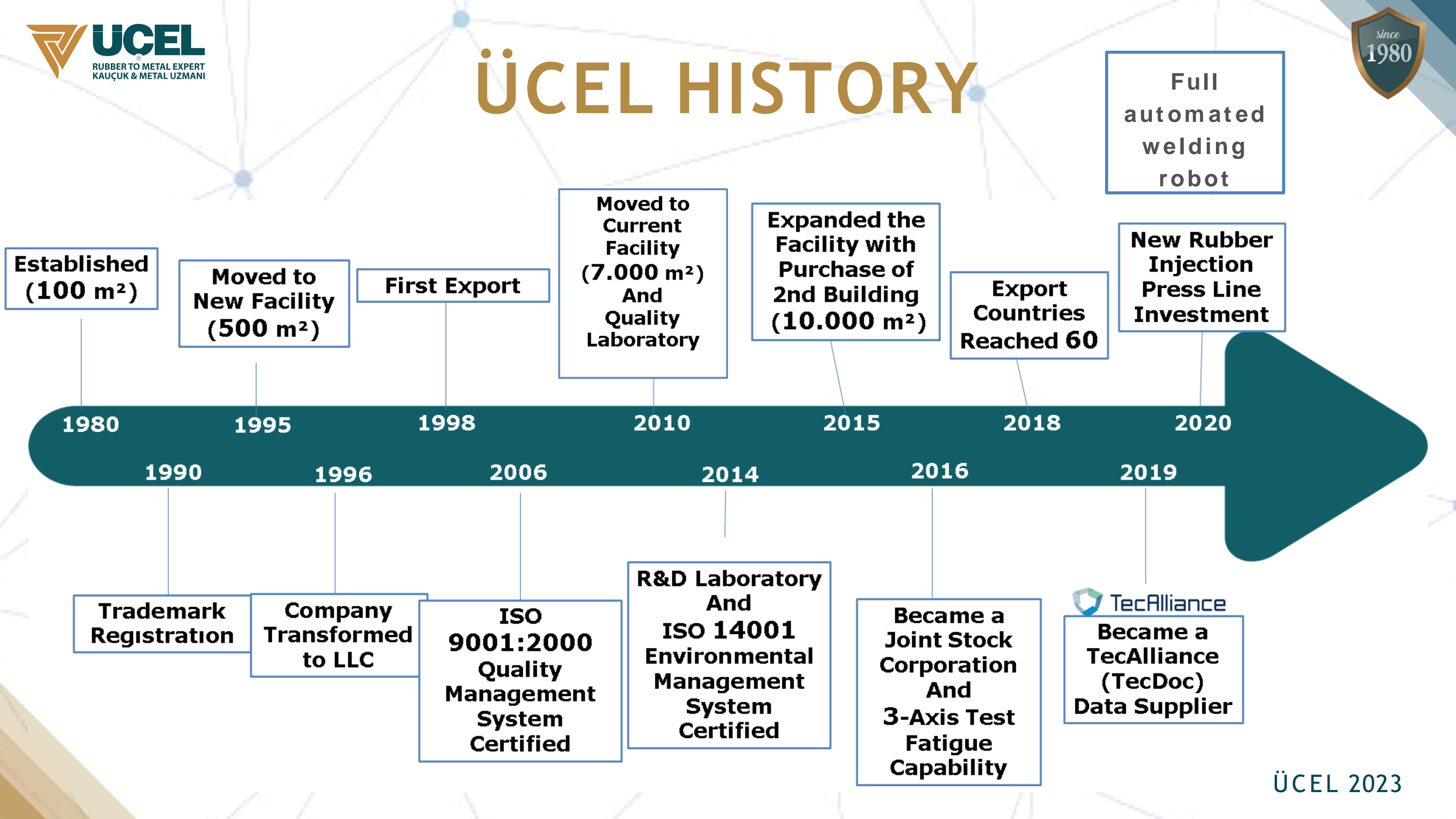


OUR STORY

Established in 1980 in the heart of Turkish automotive sector, Bursa. Managed to be known as equivalent to OE parts in the domestic market for years with its quality orientated philosophy and dedicated staff, Following closely OEM activities with inhouse R&D department and developing testing facilities.



ÜCEL HISTORY



Mastering manufacturing

Unrivalled product offer

Outstanding business support

we offer a complete and robust program based on these three pillars.

UCEL
RUBBER TO METAL EXPERT
KAUÇUK & METAL UZMANI

Since
1980

TecDoc®
DATA SUPPLIER

4000+
ÜRÜN REFERANSI
PRODUCT REFERENCES

4 KITA 60 ÜLKE
CONTINENTS COUNTRIES

43 YILLIK
ÜRETİM TECRÜBESİ
YEARS OF PRODUCER EXPERIENCE

20.000+
BİNEK VE HAFİF TİCARİ MODEL E UYGUNLUK
PASSENGER CARS & LCV MODEL APPLICATIONS

AR-GE R&D
TEST LABORATUVARI TEST LAB



since
1980

Mounts & supports



- Engine Mounts
- Hydraulic Engine Mounts
- Gearbox Mounts
- Strut Mounts
- Torsion Supports
- Exhaust Supports

Bellows & boots



- C.V. Boots
- Wheel Bellows
- Clutch Bellows
- Shock Absorber Dust Bellows
- Air Filter Bellows

Hoses



- Radiator Hoses
- Turbo Hoses
- Fuel Hoses
- Respiration Hoses
- Heater Inlet Hoses
- Oil Hoses
- Air Filter Hoses

Bushings



- Wishbone Silent Blocks
- Torsion Silent Blocks
- Engine Cradle Bushings
- Spring Bushings

- 4.000+ product references
- 20.000+ passenger cars & LCV model applications
- 250 new references every year

Crankshaft pulleys



Other solutions



- Expansion Tanks
- Rubber Pedals
- Stabilizer bar rubbers

- 4.000+ product references
- 20.000+ passenger cars & LCV model applications
- 250 new references every year

PRODUCTION CAPACITY

Current investments :

- 28 Pcs Vulcanization Presses
- 3 Pcs Aluminum Injection Presses
- 3 Pcs Plastic Injection Presses
- 7 Pcs Eccentric Presses
- 3 Pcs Hydraulic Presses
- Compound Finalizing Line
- Surface preparation Line
- CNC Profile Length Cutting Line
- Parts assembly Line (10 Pcs hydraulic presses)
- Pulley (Pully) Production Line (4 CNC Lathes)
- Tooling Workshop
- Fully Automated Welding Robot

Planned investments :

- Spectrometer
- Automated Parts Assembly Line
- 3D Printer

PRODUCTION CAPACITY

- TOTAL AREA : 10.000 M²
- CLOSE AREA : 8.355 M²

Fully automated welding process



RESEARCH & DEVELOPMENT

Extensive Market Knowledge

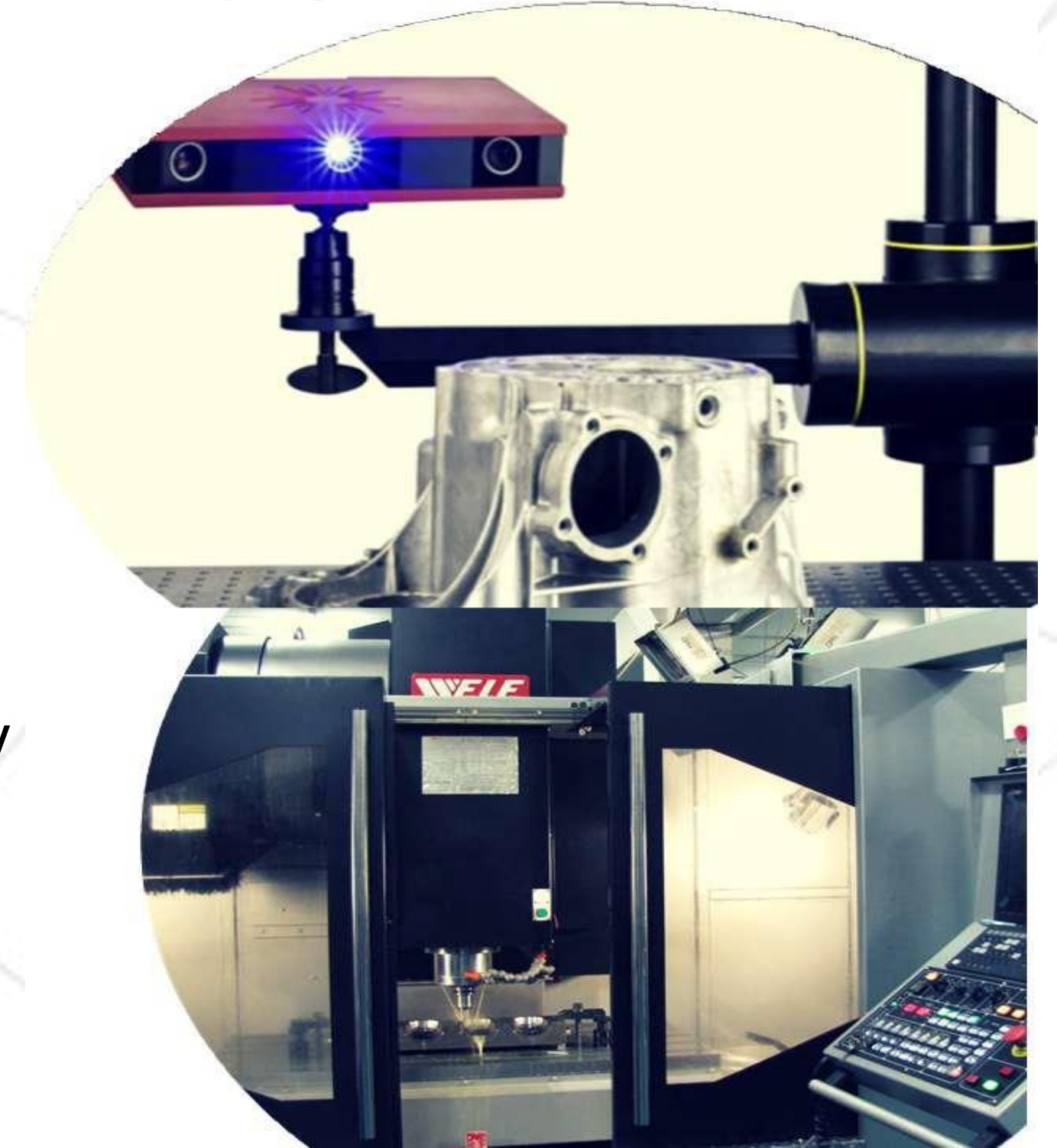
- Market research and analysis
- Deep knowledge and coverage of the local and international car park



RESEARCH & DEVELOPMENT

High Tech Tools

- From Reverse engineering to the CNC machining and the analysis and simulation,
- Software and hardware 3D scanning technology



Automated ATOS 3D metrology. In the standardized measuring machine ATOS ScanBox, ATOS Triple Scan is used for fully automated measuring and inspection of parts.

RESEARCH & DEVELOPMENT

High Tech Tools

- Computer aided design (CAD)
- Computer aided manufacturing (CAM):
Electro discharge machining (EDM) -

CNC machining

CATIA,VISI,MASTERCAM world wide
used software for design & modelling

ANSYS, powerful tool for simulation
& analysis



QUALITY MANAGEMENT

TQS
CERTIFICATE

T.K.S. Uluslararası Belgelendirme Gözetim ve Teknik Kontrol Tic. Ltd.Şti.
according to the audit process hereby certifies that

**ÜÇEL KAUÇUK TAŞIT ARAÇLARI OTOMOTİV
YEDEK PARÇA SAN. VE TİC. A. Ş.**



Çalı Mah. 37. (410) Sok. B Blok No: 16 / B Nilüfer / BURSA / TURKEY

has established and applies a management system for

**Production of rubber and rubber-metal spare parts consisting aluminum parts
by injection method, rubber, metal and bushes for automotive industry**

on the requirements of

ISO 45001:2018

of validity of the document depends on the annual surveillance au

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QUALITY CONTROL

Tensile strength

Measuring how much bending and shaping our raw materials can withstand before braking or being deformed



Fatigue tests

Putting the car part through a round of cycles that simulate the road application of the part to specify the capacity of the part and the load it can withstand through a certain number of cycles



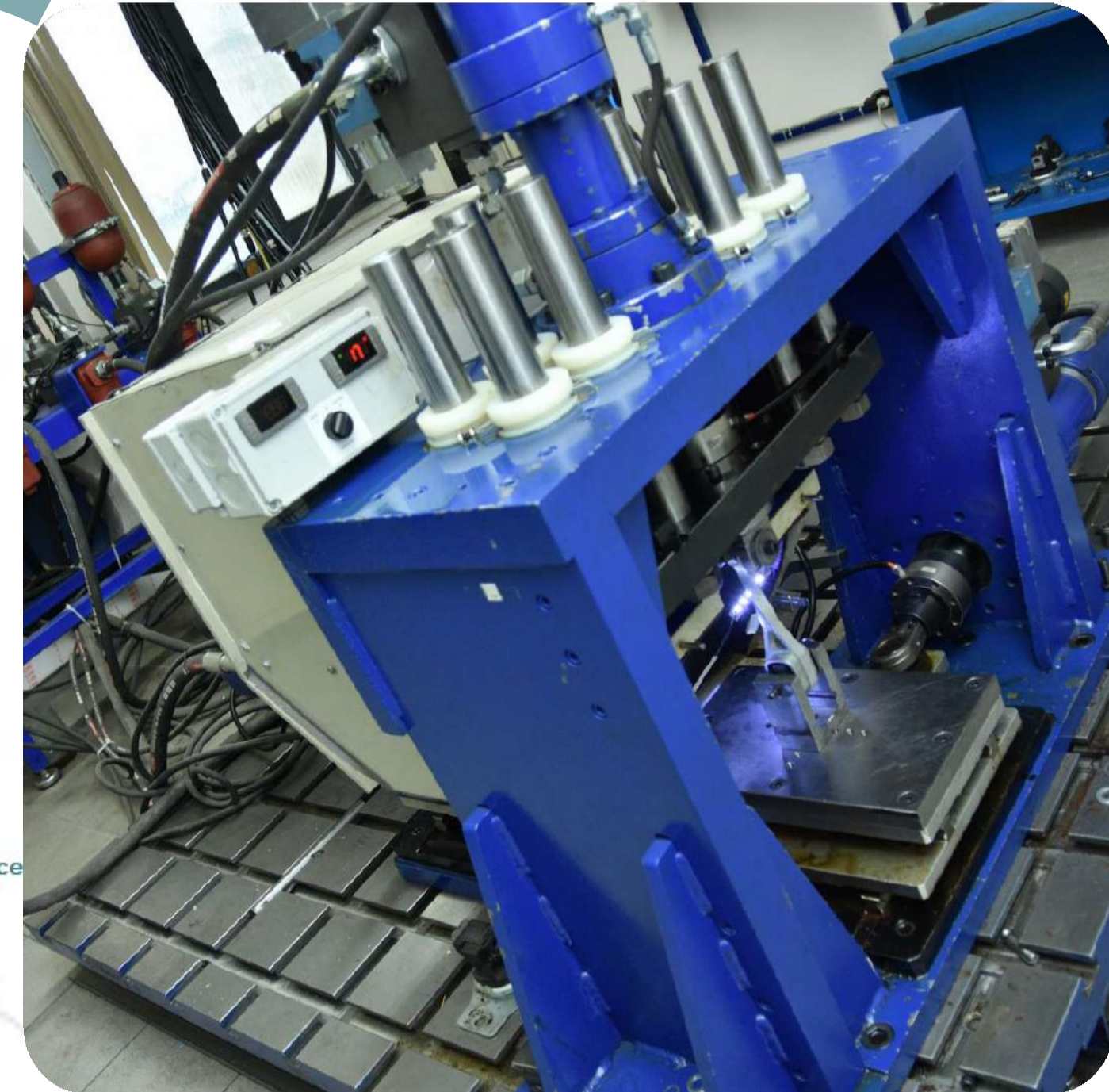
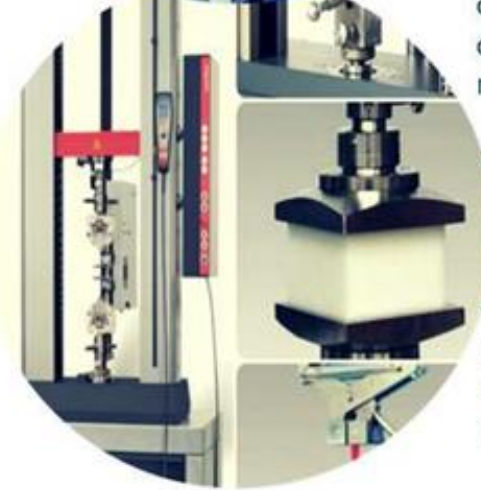
Rheometric tests

Measuring the response of the rubber to applied forces before, during and after the curing of the rubber



Load & force test

Measurement of the effect of force applied to rubber parts by applying force to rubber



QUALITY CONTROL

Coating & thickness test

Ensuring the quality of the coating systems chosen to protect out metal parts



Crankshaft pulley fatigue test

Crankshaft pulleys have a basic role in the performance of different systems of the car. We put our crankshaft pulleys through a the fatigue test applying measured force and a specified number of cycles to assess the performance of the crankshaft pulley

QUALITY CONTROL

Elongation

Elasticity and hardness
measurement of rubber and metal
material



Compression Set

Applying force on rubber under a
certain degree to measure the
deformation of the material after a
specified amount of time



Density measurment

It is the test in which rubber density
is measured.



Hardness test

The hardness of metal products and
material is measured by applying
permanent force on the part or the
material to assure the necessary quality
level for the market



OUTSTANDING BUSINESS SUPPORT

- **What we have already:**

- Low MOQ
- Lead times in line with customers' needs
- Catalogs, Xrefs and support material



- **What comes next :**

- Technical training
- Communication tools
- Installer focused tools

OUTSTANDING BUSINESS SUPPORT

- **TEC ALLIANCE CERTIFIED DATA
PROVIDER**
- **ALDOC DATA PROVIDER**

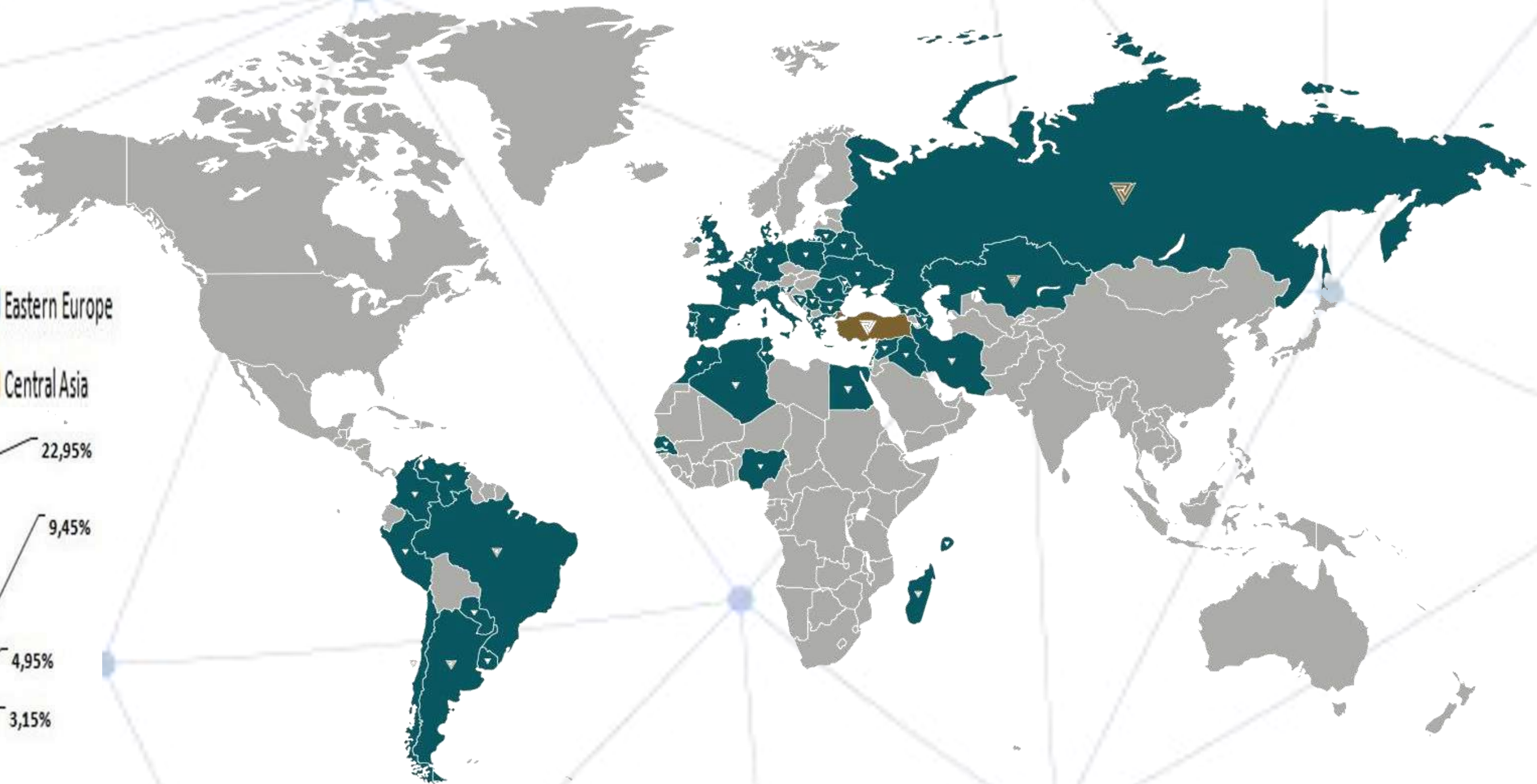
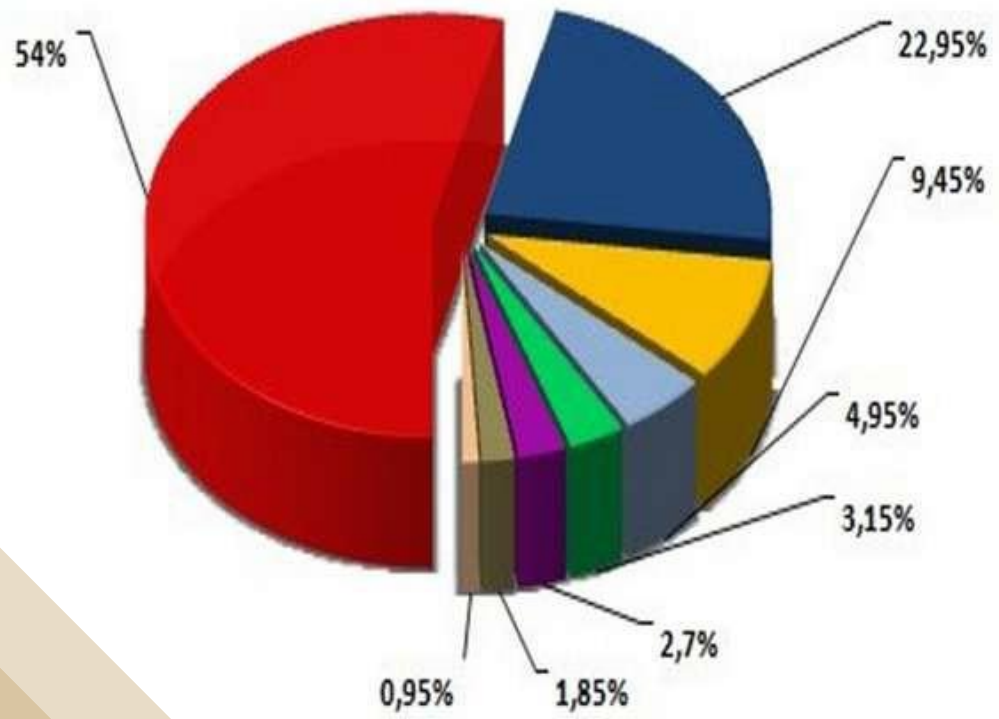
CERTIFIED

TecDoc®
DATA SUPPLIER



MARKETING & SALES

- Turkish Market
- Western Europe
- North Africa
- Eastern Europe
- South America
- Middle east
- Rest of Africa
- Central Asia



MARKETING & SALES

SECTORAL PERFORMANCE AWARDS



2019



2021



2022

MARKETING & SALES

automechanika

FRANKFURT
ISTANBUL
BUENOS AIRES

EQUIP AUTO

PARIS
ALGERIA

AUTOMECA

18ª FEIRA INTERNACIONAL DE AUTOPEÇAS, EQUIPAMENTOS E SERVIÇOS

SAO PAULO / BRASIL



HUMANS OF ÜCEL



We invest in team building because we believe people are the most valuable resource we have.



Thank you

Danke

Merci

Gracias

Grazie

Gratias

Obrigado

Ευχαριστώ

Спасибо

הדוּת

مرکشتم

شکرا

Teşekkür Ederiz



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