



10 Integrated Production Processes

Technical Support for the Development and Manufacture of Prototypes



WHO WE ARE

1940

FOUNDATION

ETMA was founded in the late year of 1940, in Braga (Portugal)

200

EMPLOYEES

Company's actual workforce is over 200 employees and growing

3rd

GENERATION

ETMA is a family business from the start, currently in its 3rd generation

15+

YEARS

85% of the clients have a relationship with over 15 years with ETMA



LOCATIONS

BRAGA
PORTUGAL
HEADQUARTERS

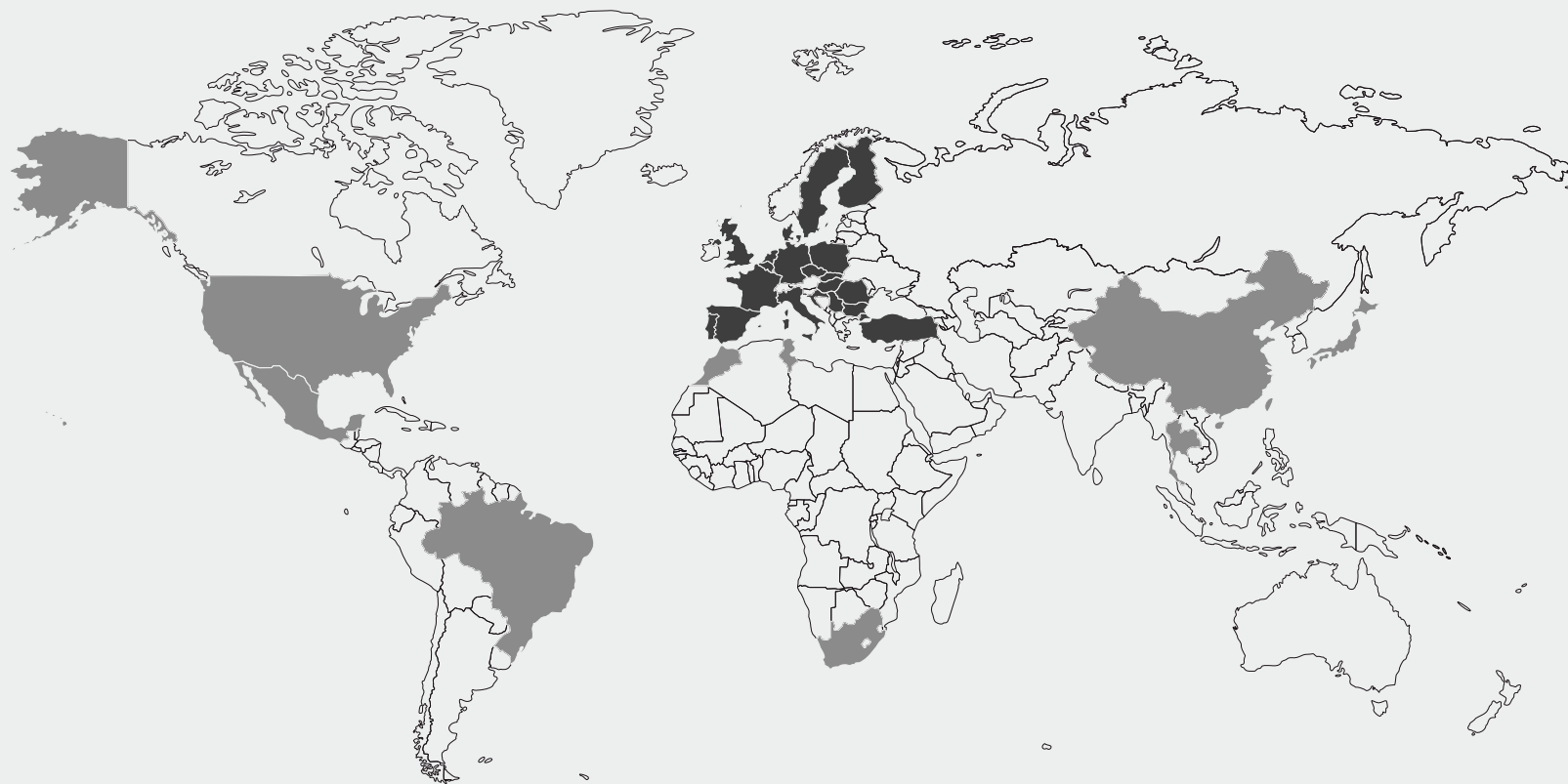


BEČOV NAD TEPLOU
CZECH REPUBLIC
WAREHOUSE

Plant with 10,000 m², distributed
across 2 hubs.
Coming soon, a new plant with 15,000 m².



COUNTRIES WE SELL TO



PORTUGAL	FRANCE	CZECHREPUBLIC	BULGARIA	ROMANIA	FINLAND	ITALY	MOROCCO	JAPAN	BRASIL
SPAIN	HUNGARY	DENMARK	BELGIUM	SWEDEN	SLOVAKIA	SERBIA	TUNISIA	THAILAND	MEXICO
POLAND	HOLLAND	TURKEY	GERMANY	ENGLAND	U.S.A.	CROATIA	SOUTHAFRICA	CHINA	...



10 INTEGRATED PRODUCTION PROCESSES

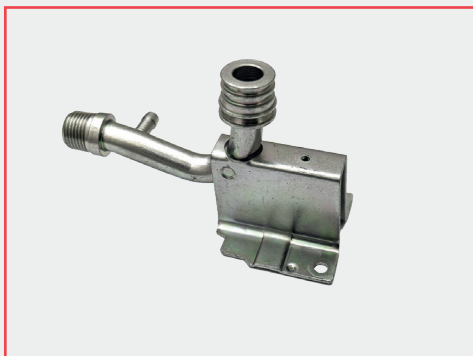
- ASSEMBLY / WELDING
- TURNING
- STAMPING AND AUTOMATIC FORMING
- COLD FORGING / SCREWS
- WIRE FORMING
- PROTOTYPES
- TOOLS AND EQUIPMENTS
- HEAT TREATMENTS
- SURFACE TREATMENTS
- INSPECTION / SORTING



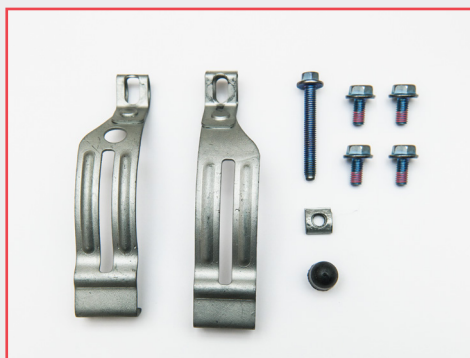


ASSEMBLY PROCESS

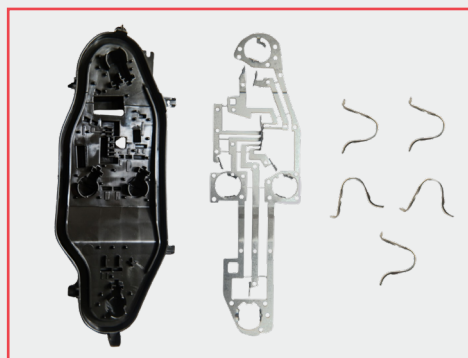
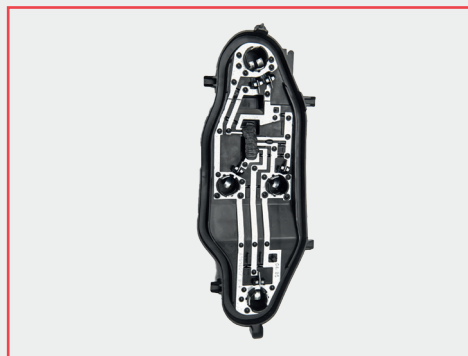
**ASSEMBLY WITH
BRAISING**
(WITH LEAK TEST)



**ASSEMBLY WITH
THREADLOCK APPLICATION**



**ASSEMBLY WITH
WELDING**
(WITH ELECTRICAL TEST)



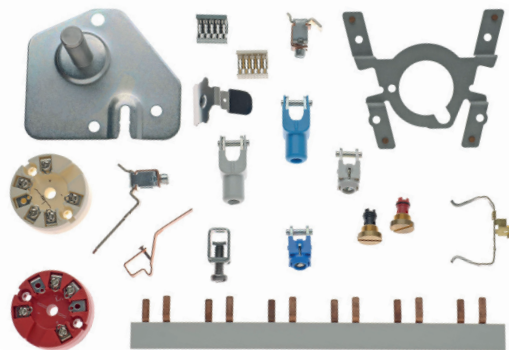
**ASSEMBLY WITH
INSPECTION**
(WITH TORQUE TEST)



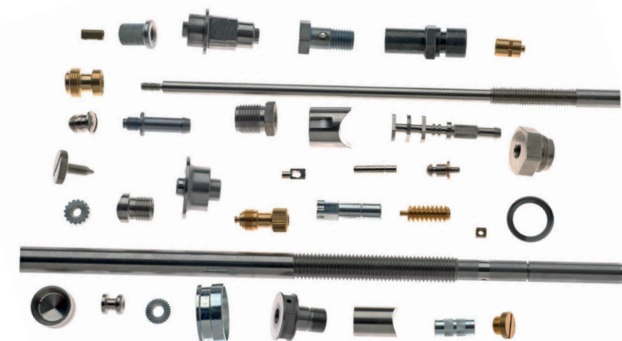


10 INTEGRATED PRODUCTION PROCESSES

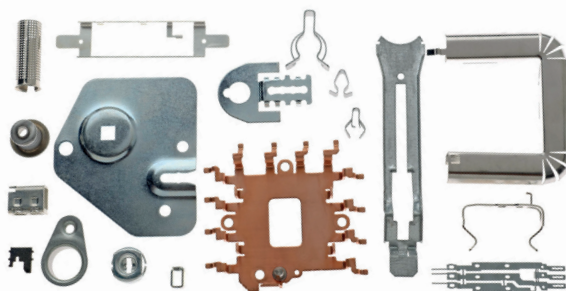
ASSEMBLY / WELDING



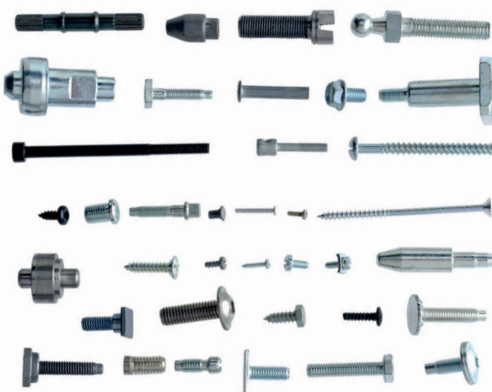
TURNING



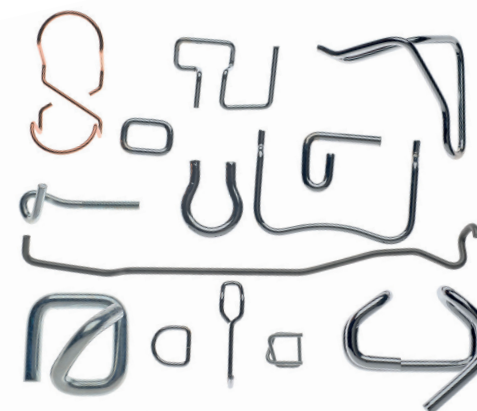
STAMPING AND AUTOMATIC FORMING



COLD FORGING / SCREWS



WIRE FORMING

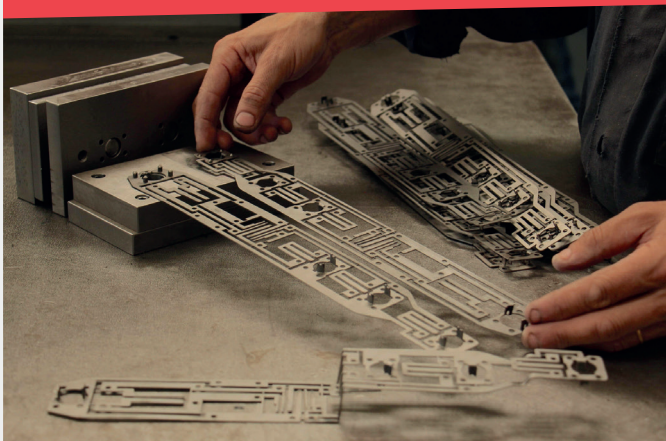


CORE PROCESSES



10 INTEGRATED PRODUCTION PROCESSES

PROTOTYPES



TOOLS AND EQUIPMENTS



SUPPORT PROCESSES

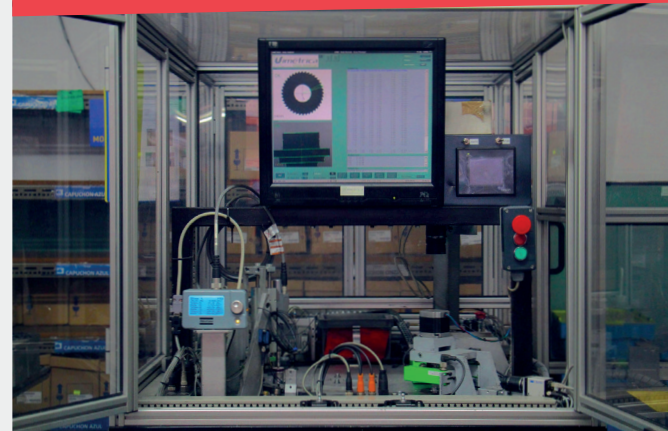
HEAT TREATMENTS



SURFACE TREATMENTS



INSPECTION / SORTING

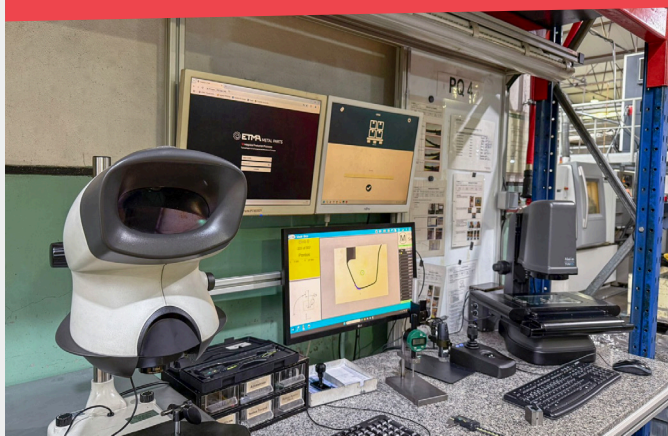




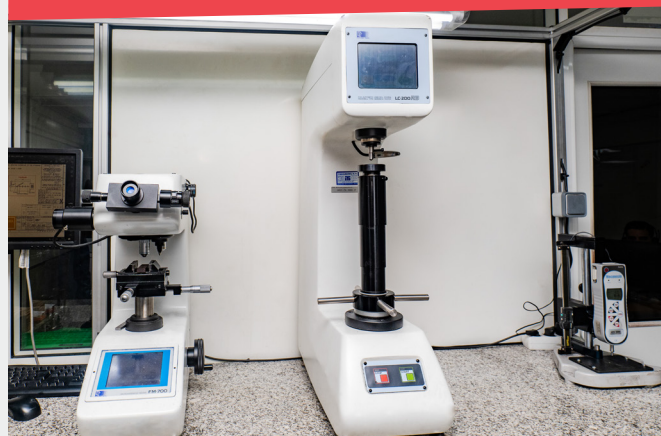
QUALITY

All inspection data is centralized on a server with **SPC** (Statistical Process Control).

PRODUCTION CONTROL CENTRE



MECHANICAL TESTS



SALT SPRAY CHAMBER



PROFILE MEASURING MACHINE



3D COORDINATE MEASURING MACHINE



MICROSCOPE / X-RAY





PROCESS UNDER DEVELOPMENT

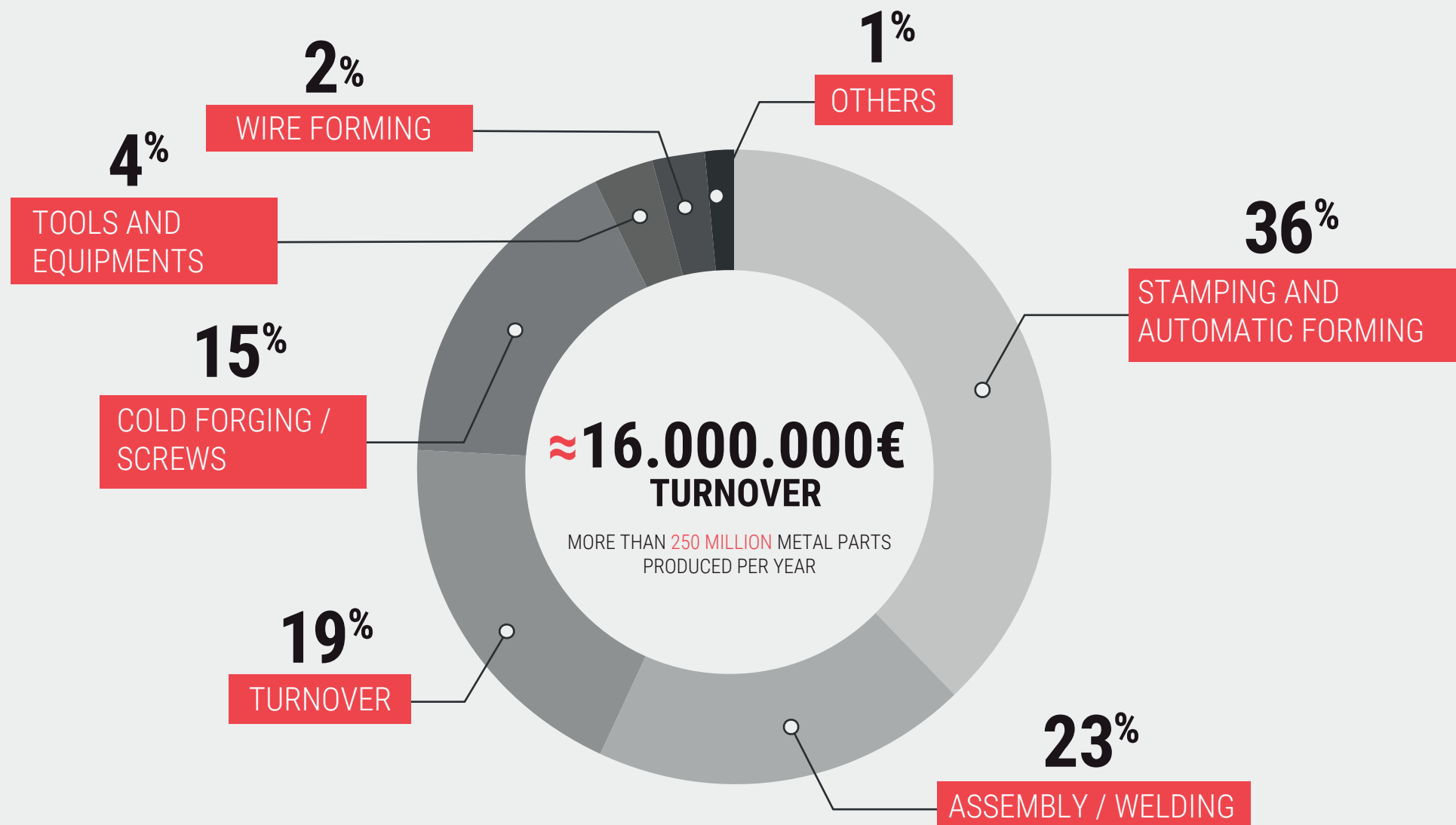
SINTERING

We are developing Sintering technology, expanding our integrated processes.





10 INTEGRATED PRODUCTION PROCESSES





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VALUE OFFER





BUSINESS SECTORS



AUTOMOTIVE



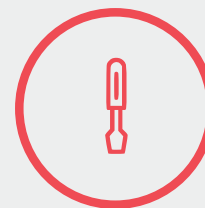
ELECTRICAL



HOME APPLIANCES



**PLASTIC
INJECTION**



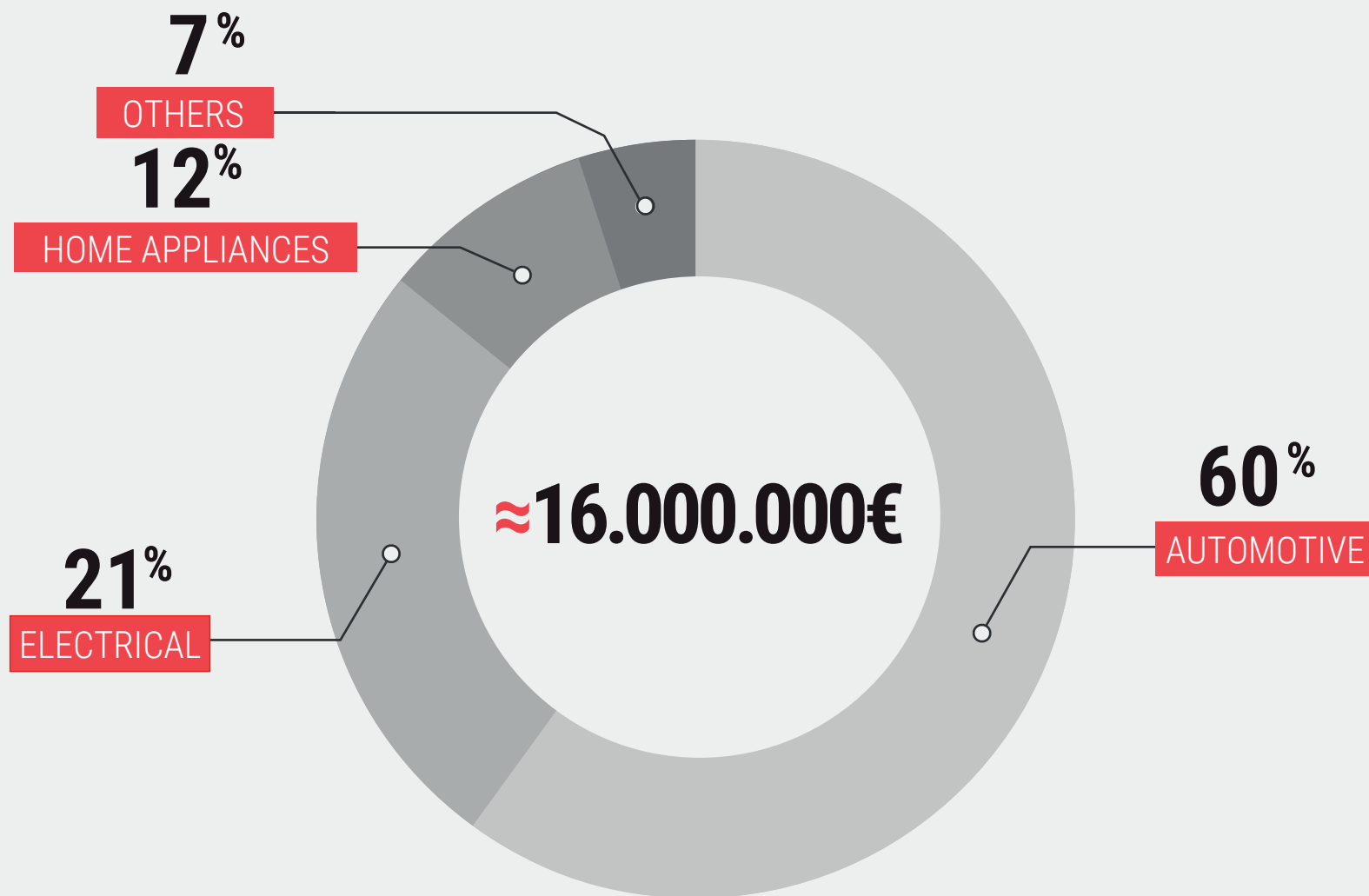
FASTENING



MOPEDS



TURNOVER





CLIENTS

Schneider
Electric

MERSEN

ZW

EFAPEL

ABB

legrand®

sdf
Electric

BOSCH

Telenco

E.F.
EUGSTER / FRISMAG

B/S/H/



elm.leblanc

brandt industries

Gestamp



MAGNA

fuba

BORGWARNER

ANTOLIN
Intelligent. Integrated. Inside.

Megatech

SCHERDEL

GUREAK

ASPÖCK
SYSTEMS



CIE Automotive

Continental



LEAR

preh

TBI
GROUPE

NOVARES

HITACHI Astemo



SODECIA

Simoldes
since 1959

Huf

SHIMANO

ASSA ABLOY

VIPEX

SRAM®

GU
GRETSCH UNITAS



CERTIFICATIONS

To ensure the quality of the parts produced, ETMA features a quality department with a specialised team.

The entire organisation is certified by the ISO 9001 and IATF 16949 quality management standards, and the ISO 14001 environmental standard.

Environmental
Management
System

ISO 14001

Quality
Management
System

ISO 9001

Quality in
Automotive
Sector

IATF 16949

WHY ETMA?

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graph TD; A[WHY ETMA?] --- B[10 INTEGRATED PRODUCTION PROCESSES]; A --- C[TECHNICAL CAPABILITY]; A --- D[CUSTOMIZED SOLUTIONS];
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10

**INTEGRATED
PRODUCTION
PROCESSES**



**TECHNICAL
CAPABILITY**

TO DEVELOP FROM
PROJECT TO PRODUCT



**CUSTOMIZED
SOLUTIONS**

WORKING SIDE BY SIDE TO
PROVIDE THE EXACT
SOLUTION THAT THE
CLIENT NEEDS



