



**EROFIO
GROUP**

OUR HISTORY

- EROFIO Foundation
1990
- Owned Plant - 4 900 m² / 53000 ft²
- 1992
EROFIO ATLÂNTICO Foundation
2000
- Plant Ampliation
2009
- EROFIO INVESTEMENTS Foundation
2010
- New Plant- Jardoeira, Batalha -
17 000 m² / 183000 ft²
2013
- Additive Manufacturing Centre
2020



"Today we are at a much higher level and it's good to see the company's rise"

Nelson Novo
Project leader



DIVISIONS



QUALITY MANAGEMENT CERTIFICATES

Erofio



05.

In process:



Erofio Atlântico



Management System
IATF 16949:2016
ISO 9001:2015
www.tuv.com
ID 9105055191

EROFIO GROUP | 2021



KEY FIGURES 2020

- Turnover: 17 316 (k€)
- Workforce: 218
- Investment: 1 100 (k€)
- Financial Autonomy: 74%
- Export Rate: 80%
- VAB: 7 252 (k€)

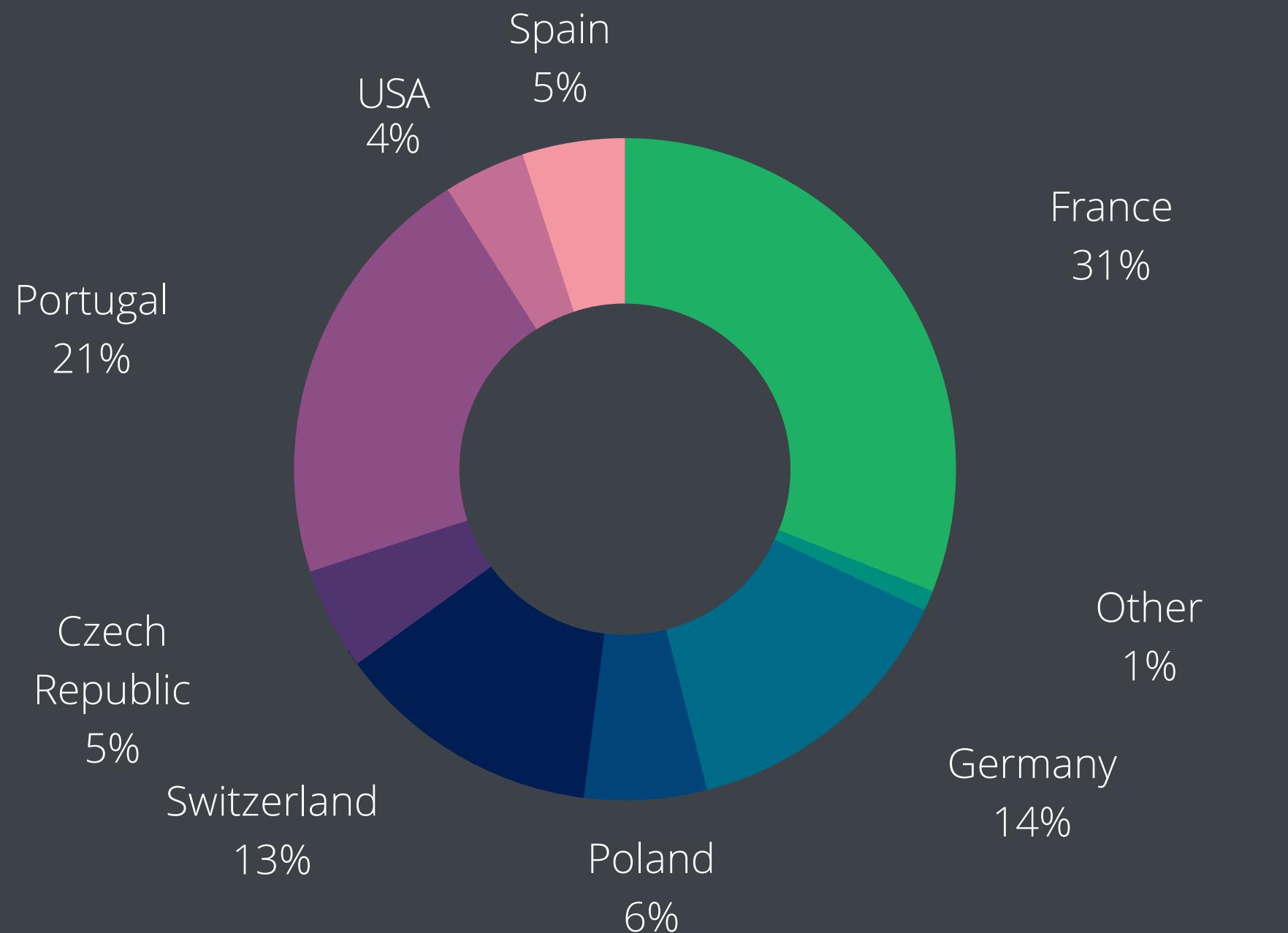


Financial Performance Awards:



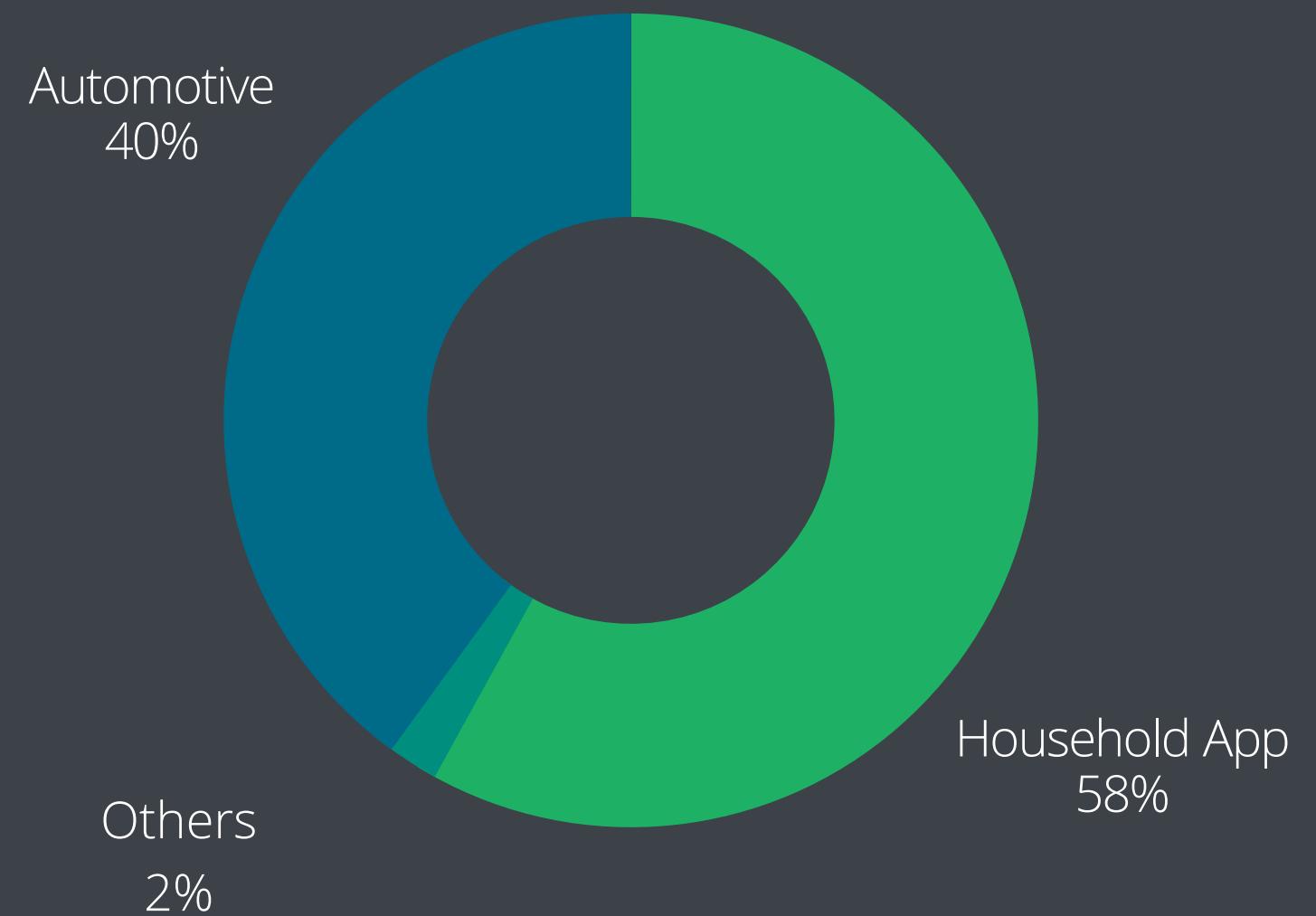
Markets

by country



07.

by industry



EROFIO GROUP | 2021

PROCESS



1 Product Engineering



Prototyping



2 Industrialization



Process Design



Auxiliary Equipment

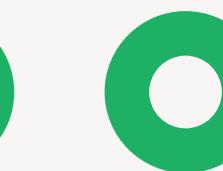


After-Sales Service

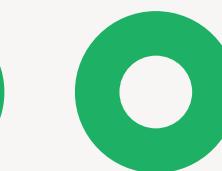
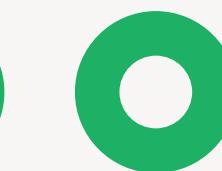
3 Production



Injection Molding

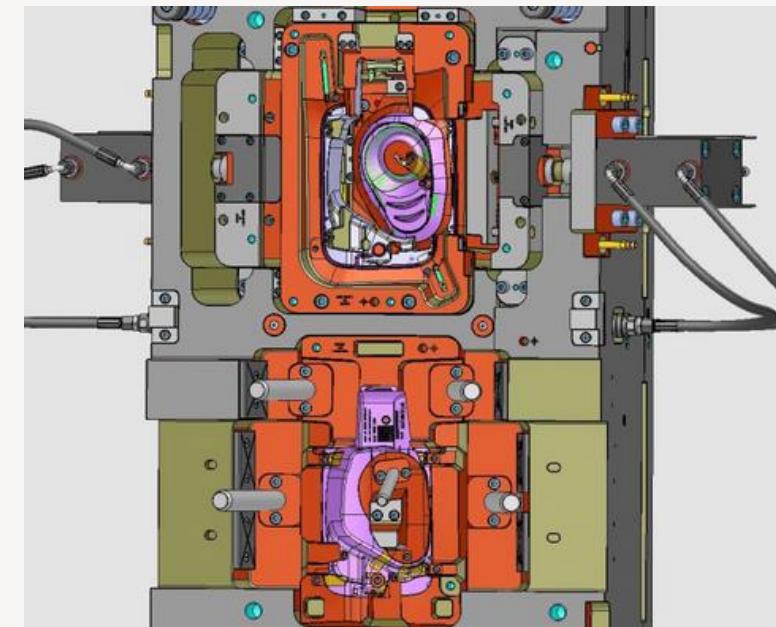
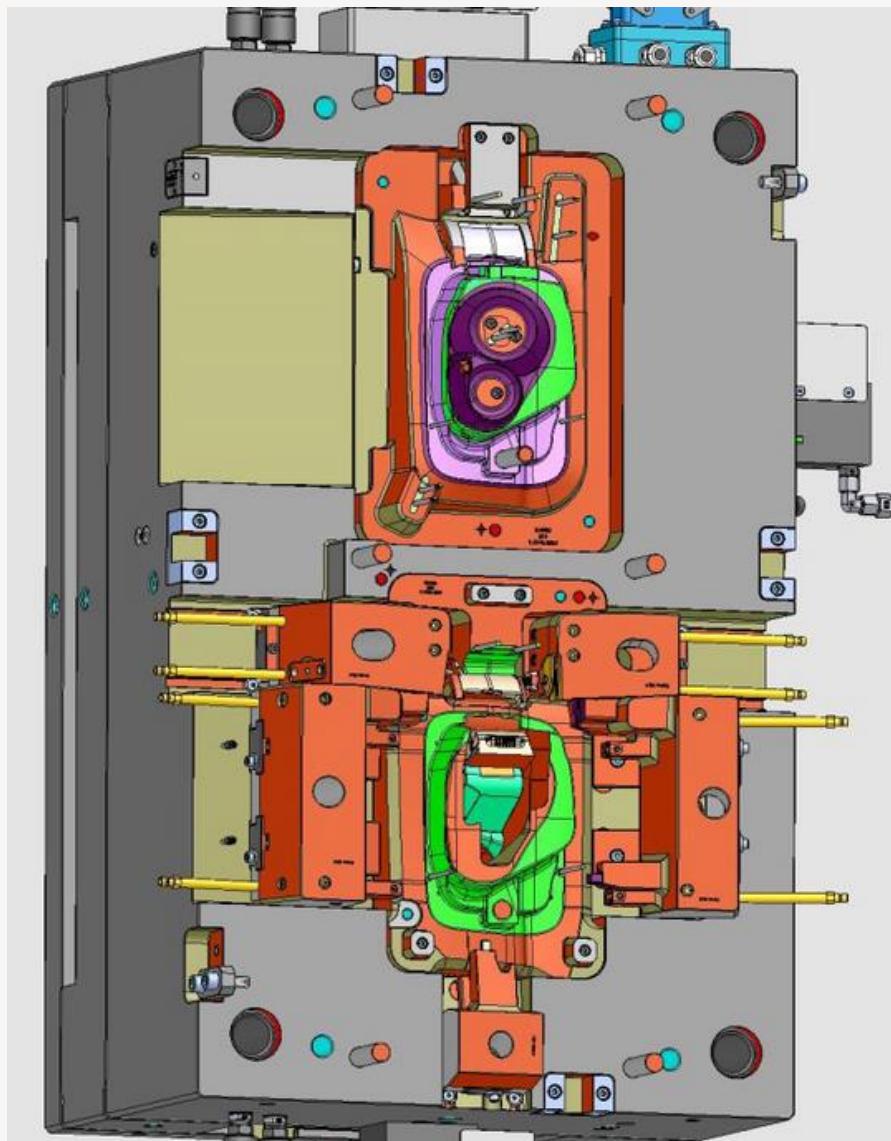


Decoration and Assembly



Packaging and Logistics

VALUE PROPOSITION



We simplify
your production
process

TECHNOLOGICAL CAPABILITIES

MILLING

- 18 CNC machines
- Capacity (max): 3 600 x 2 670 x 1 600 mm
- 12 machines with 5 axes

One setup

Shorter preparation time

Increase in precision and speed



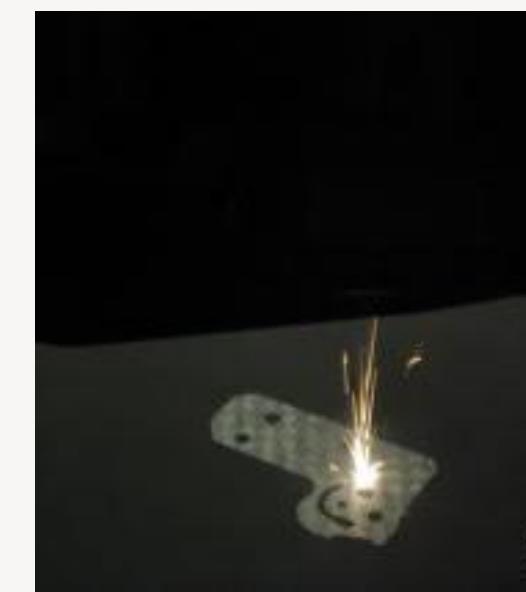
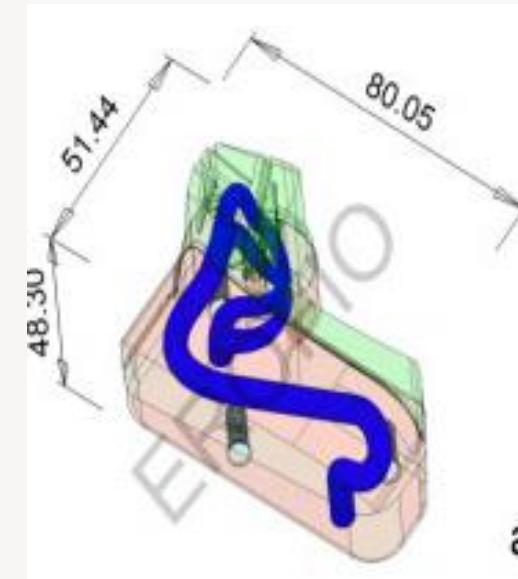
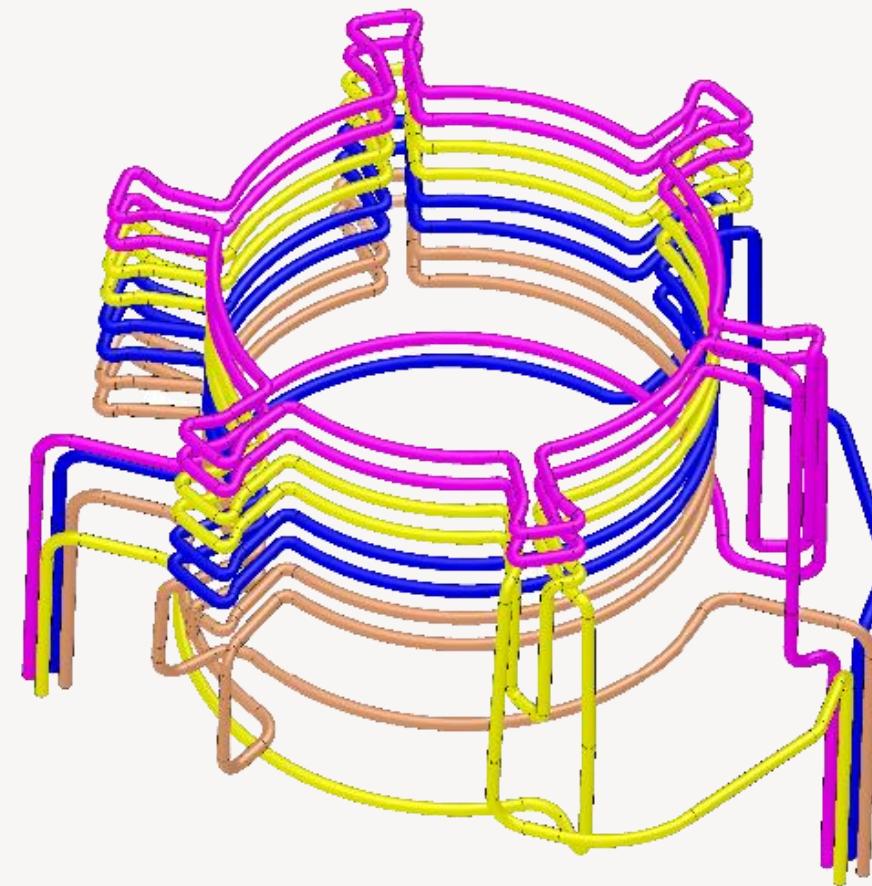
TECHNOLOGICAL CAPABILITIES

EDM

- 1 Automated EDM Cell fully robotized with 8 machines
- 2 Electrode machining cell (RÖDERS)
- 5 EDM equipments
- 1 CMM control equipment



VALUE PROPOSITION



We design high performance tools, for high quality surfaces and short cycle times

TECHNOLOGICAL CAPABILITIES

Metal 3D Printing - Laser Cusing Technology

Conformal Cooling Channels with main benefits:

- Reduction of injection cycle time
- Less warpage
- Less sink marks effect
- Improved aesthetics
- Productivity increase (5 - 30%)

VALUE PROPOSITION



We use know-how
and technology to
meet quality needs

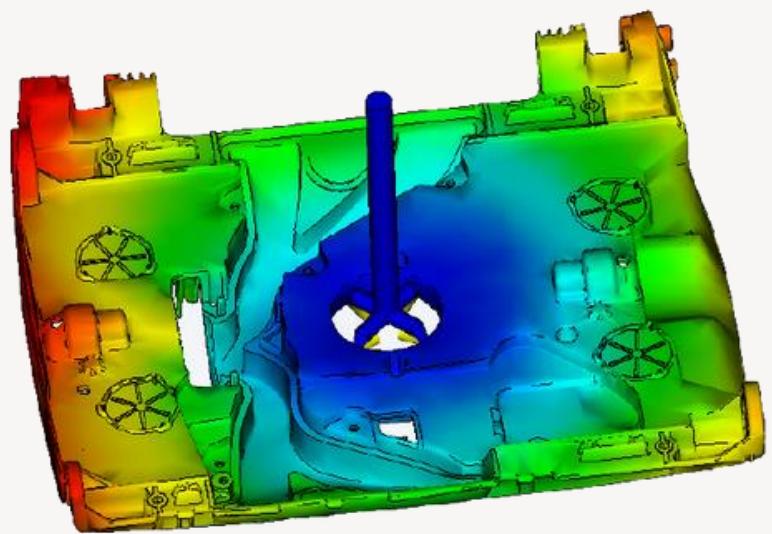
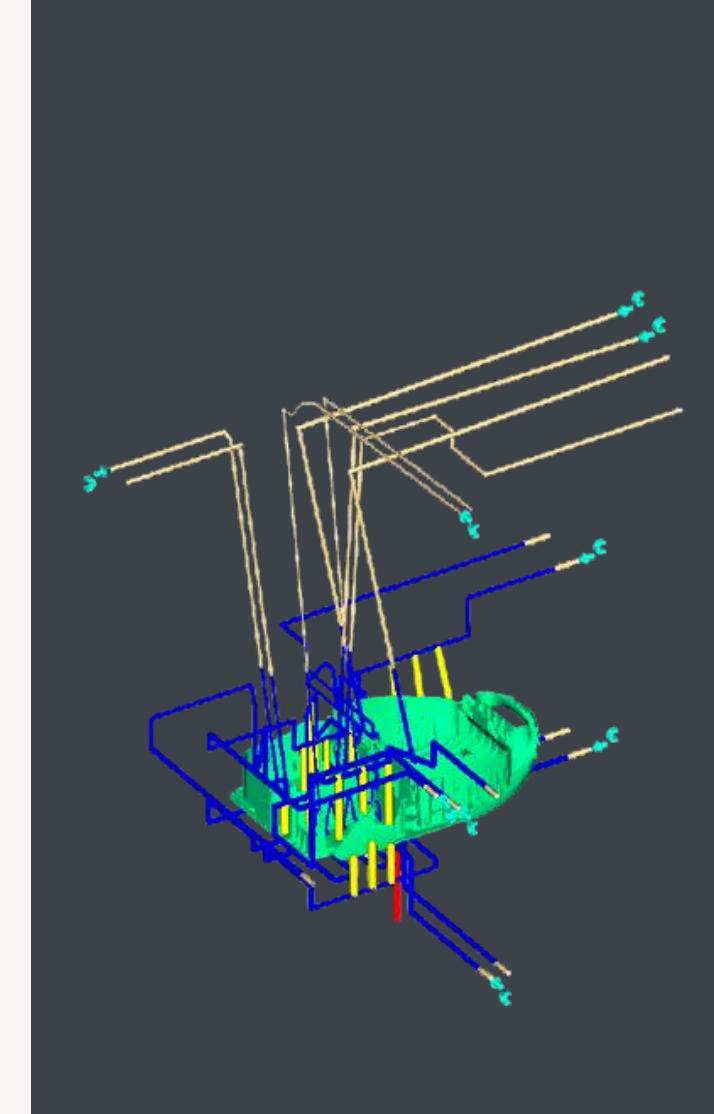
TECHNOLOGICAL CAPABILITIES

METROLOGY

- 9 equipments
- 4 CMM 3D machines (Zeiss, Mitutoyo, Wenzel, Nikon)
- Capacity (max): 900 x 1 600 x 600 mm
- Laser scanning (Nikon)
- 3 axis Video Measuring Machine (Vision Falcon)



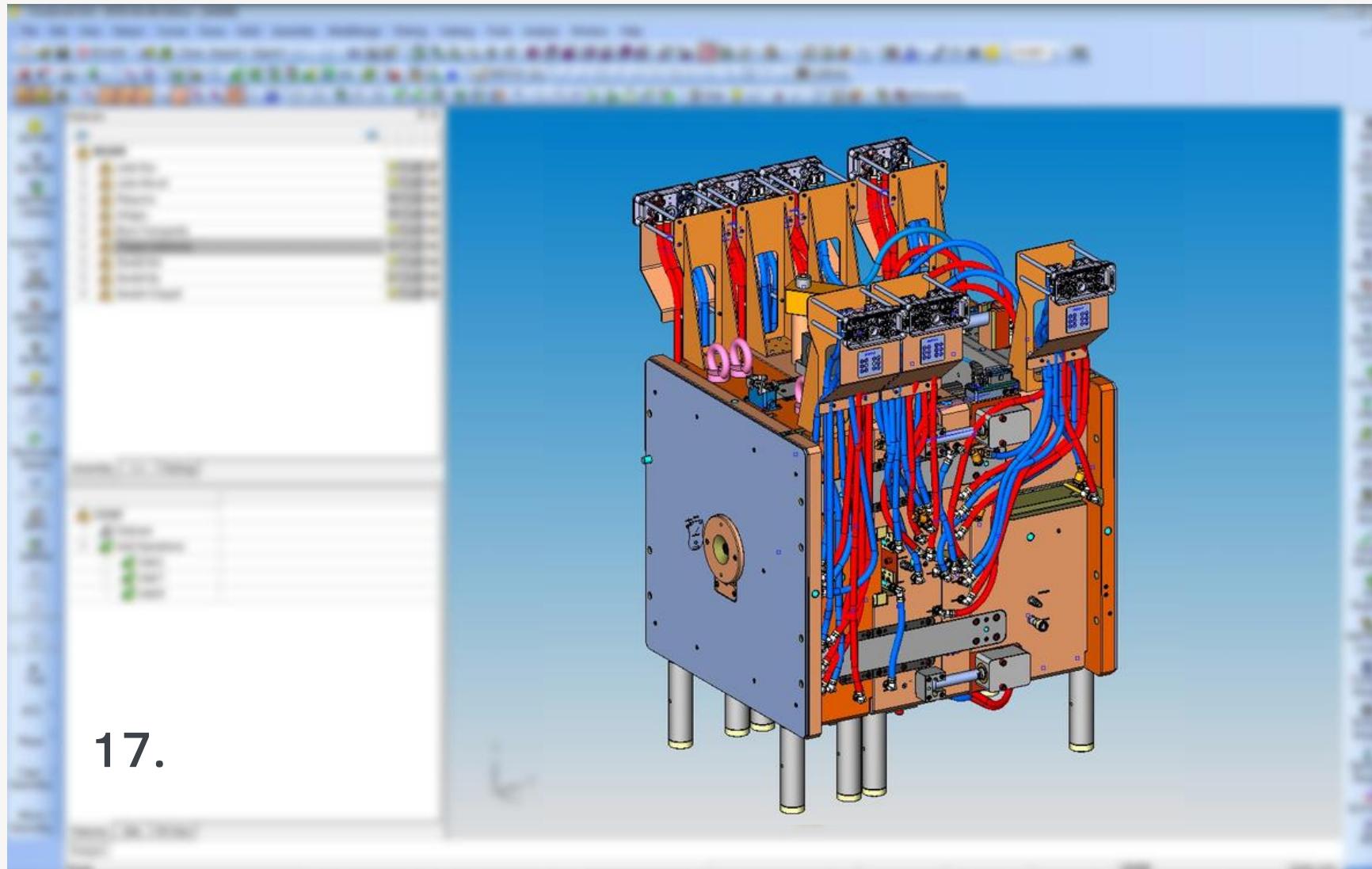
VALUE PROPOSITION



We don't rely only in experience, we predict based on computer simulation

TECHNOLOGICAL CAPABILITIES

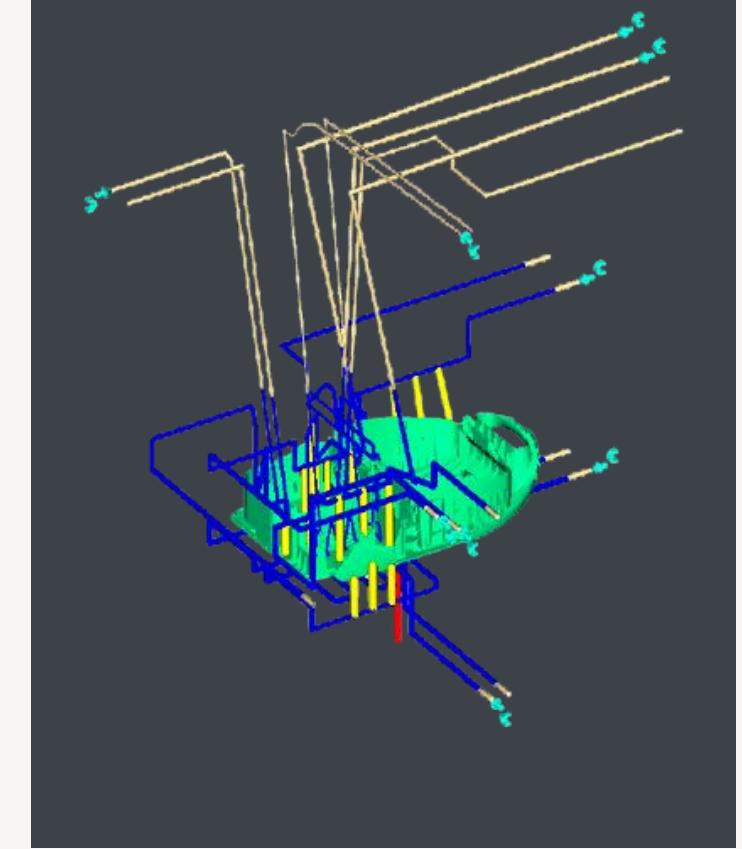
SOFTWARE



17.

- CIMATRON
- 3D Expert
- Solidworks
- Moldex 3D
- File conversion from any 3D software
- Ansys

EROFIO GROUP | 2021



VALUE PROPOSITION



We re-engineer
your product in
order to save you
time and money

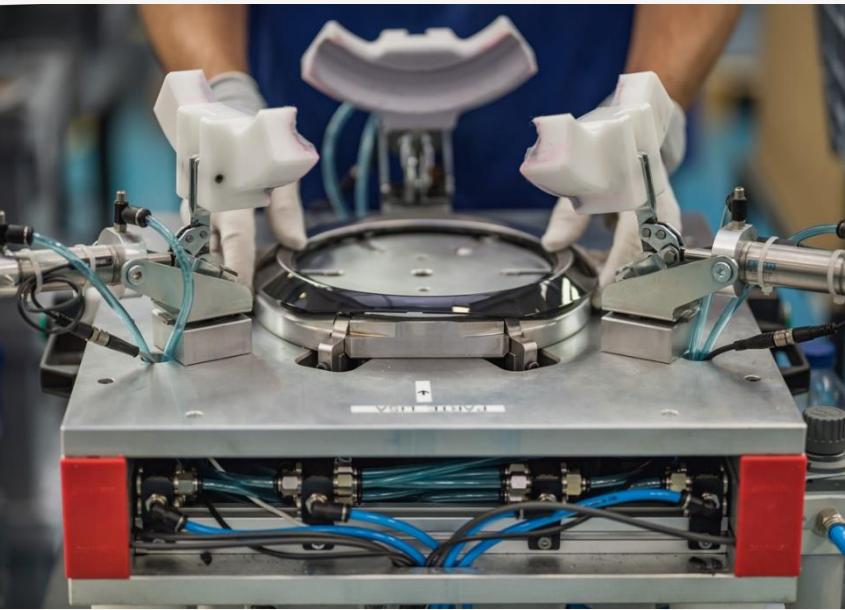
TECHNOLOGICAL CAPABILITIES

INJECTION

- 29 injection machines (25-1100 t) from which, 7 twin-injection and one vertical injection machine
 - 1 with two juxtaposed injection groups, and horizontal turning table
- 3 movable screws for 3 & 4K
- Rotative plate, index plate, tandem mold, sandwich mold, transfer mold, etc.
- Multi material mold sand parts: up to 4K
- Gas injection capacity



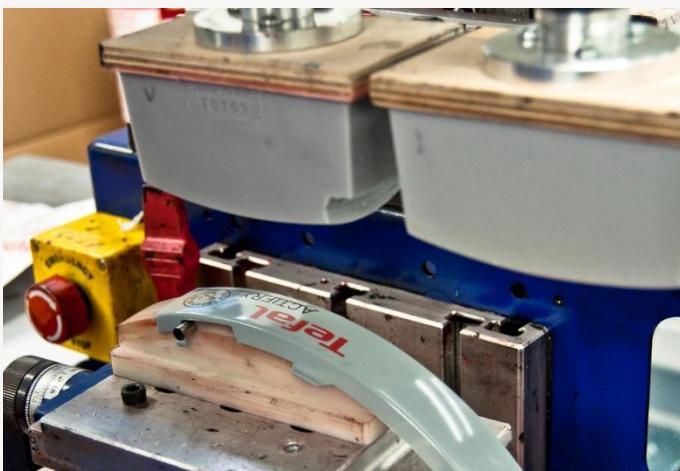
VALUE PROPOSITION



One-stop shop

TECHNOLOGICAL CAPABILITIES

ASSEMBLY AND DECORATION



- TAMPO Printing: Up to 5 colors
- Ultrasound welding
- Laser Printing
- Artificial Vision
- Hot stamping
- Assembly lines with electronic components, inserts, etc.

VALUE PROPOSITION



On time and
compliant





“ Fazer da maneira certa
e não de certa maneira

”

“ Do it the right way,
not a certain way

”

MANUEL NOVO
Chairman

THANKS FOR YOUR ATENTION



EROFIO GROUP | 2021