



# DUQUEINE GROUP

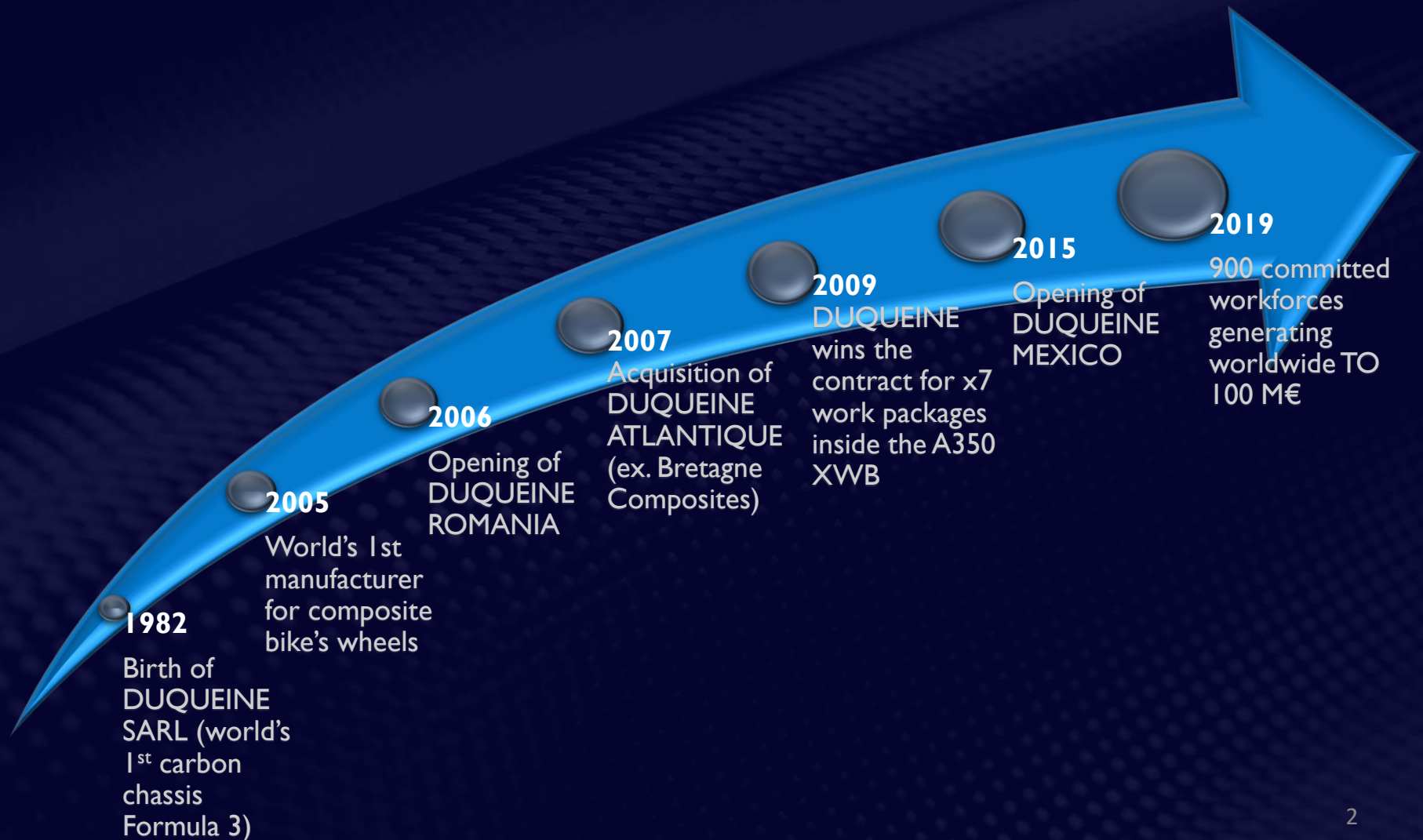
## INDUSTRIAL COMPOSITES MANUFACTURER



# FIRST INSIGHT

# An entrepreneurial success story

DUQUEINE  
GROUP





Gilles Duqueine  
(Company founder)



Stéphanie Burgun  
(Group CEO)

The Duqueine group has achieved a significant growth in 2019, on all its manufacturing sites. The group turnover of **€ 100 million** allows us to consolidate our position as a mid-size player in the **high performances composite sector**.

Duqueine combines many strengths: **cutting-edge** industrial equipment combined with **composite experts**, facilities located in the Best-Cost Countries, a wide range of skills, an efficient R&D service and **lasting partnerships** with its international customers.

The group's management has recently evolved to promote **synergies** between the 5 production sites. However, technical independence is maintained to encourage **experimentations** and technological **progresses**.

For the next 2 years, our ambition is to continue our growth by remaining a **trusted company** and a **reliable partner**, actively participating in the **success of our customers**.



# COMPANY PROFILE

## DESIGN AND MANUFACTURE OF HIGH PERFORMANCES COMPOSITE PARTS



AEROSPACE



AUTOMOTIVE

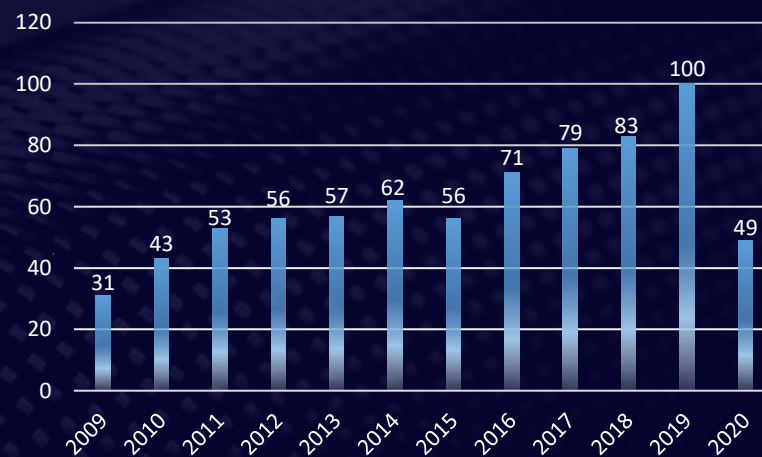


SPORT &  
LEISURE



INDUSTRY

### ACHIEVEMENT (M€)



Founded in **1982**



~ 900 workforces



5 production sites worldwide



60 000 m<sup>2</sup> of production area



**100** million € turnover

# GROUP FACILITIES

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## DUQUEINE Rhône-Alpes (HQ)

MASSIEUX – CIVRIEUX

350 employees

26 000 m<sup>2</sup> production area



## DUQUEINE Atlantique

MALVILLE

200 employees

8 000 m<sup>2</sup> production area

DUQUEINE  
Atlantique

DUQUEINE  
Rhônes-Alpes - 2 plants :

- Massieux
- Civrieux

DUQUEINE  
Romania

DUQUEINE  
Mexico



## DUQUEINE Mexico

QUERETARO

35 employees

12 000 m<sup>2</sup> production area



## DUQUEINE Romania

TIMISOARA

260 employees

14 000 m<sup>2</sup> production area

# RECENT PROJETS OVERVIEW



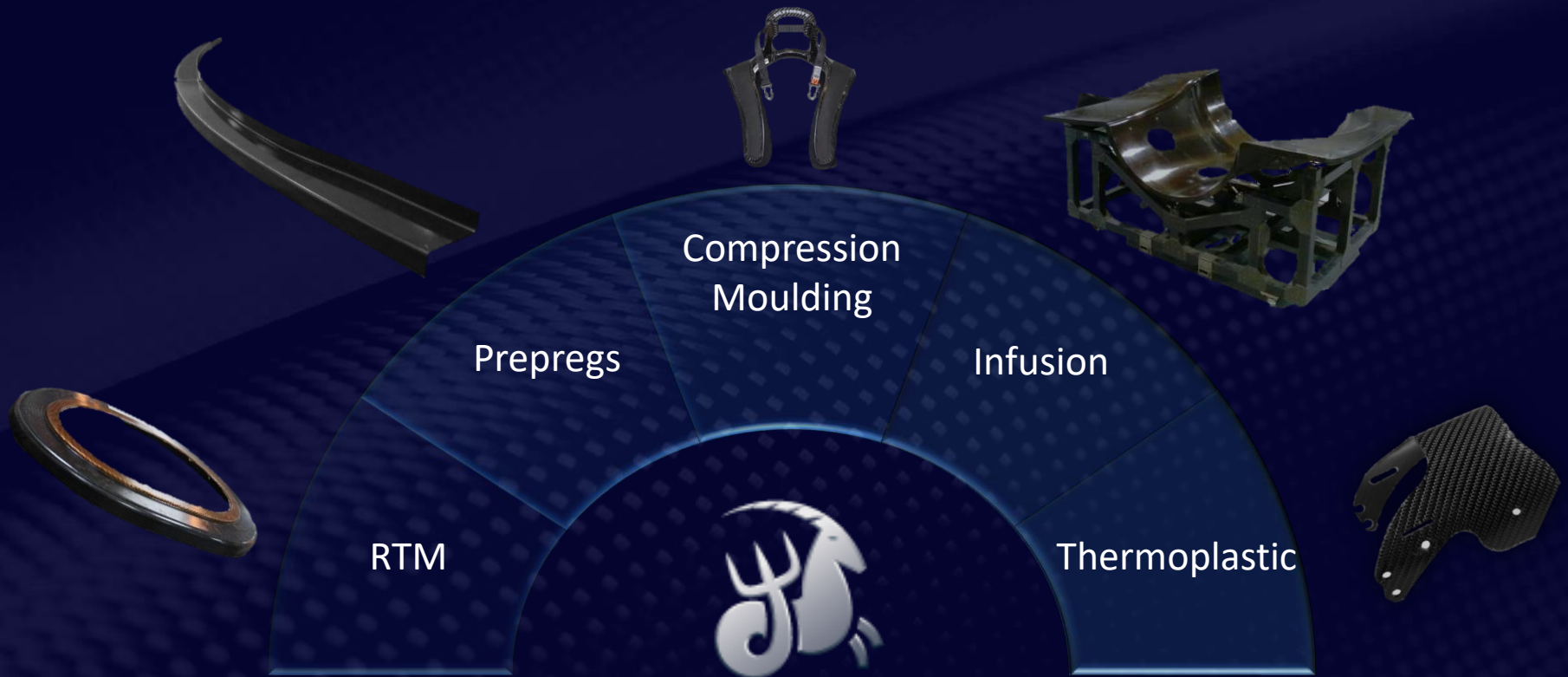


# PROCESSES

DUQUEINE  
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FIVE TRANSFORMATION PROCESSES – BUILT TO PRINT / TO SPEC.



Production processes diversity allows the **DUQUEINE group** to meet your needs with the proper technology

**DUQUEINE experts will select the right materials & processes according to the parts/project specifications**

# INNOVATION CAPACITIES

## RESEARCH AND TECHNOLOGIES

- ✓ HR skills & softwares
- ✓ Modern & versatil equipment (hardware)
- ✓ Substantial € ressources for innovation
- ✓ Reliable partners
- ✓ Proven effectiveness: x3 DUQ patents currently in use for production



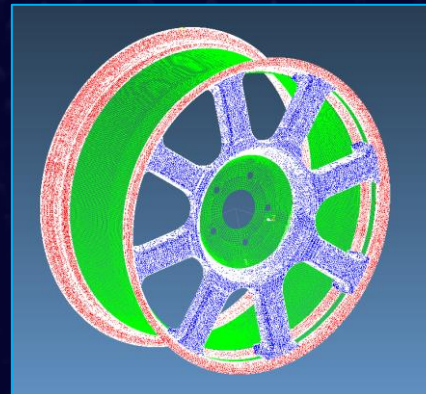
*Dry fibers placement*



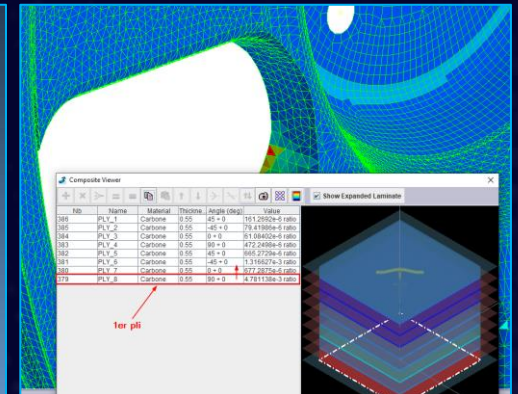
*Thermoplastics experimentations*



*3D printing for prototypes*



*Composites Design*

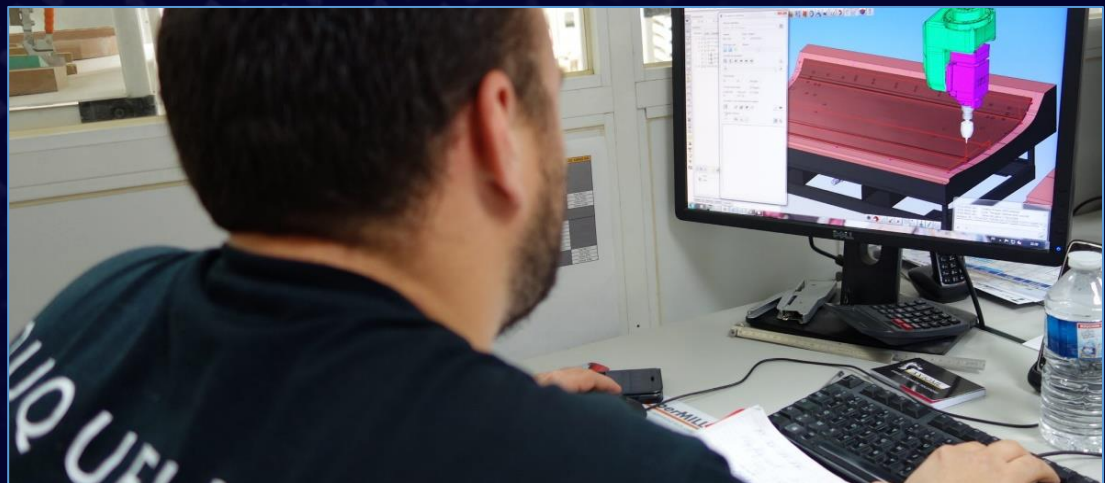
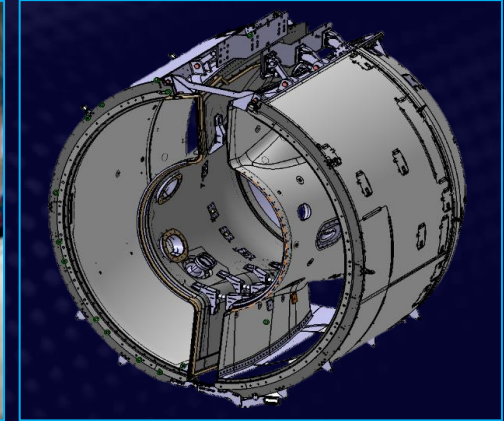
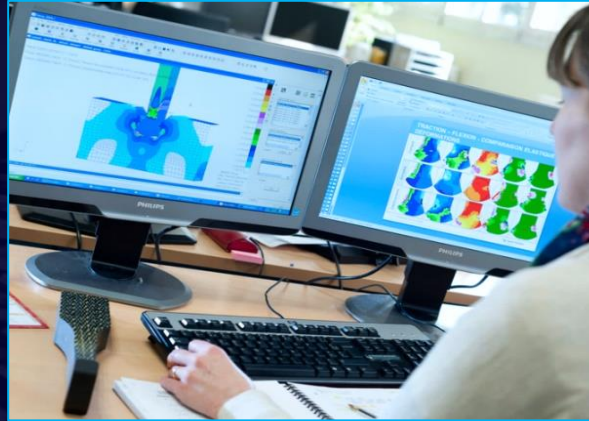
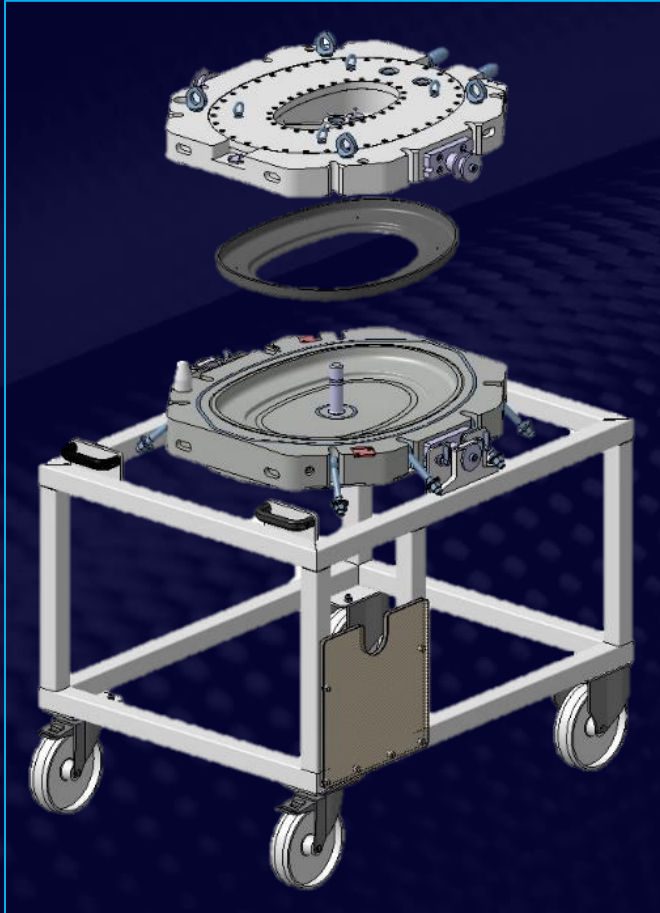




# PRODUCTION CAPACITIES

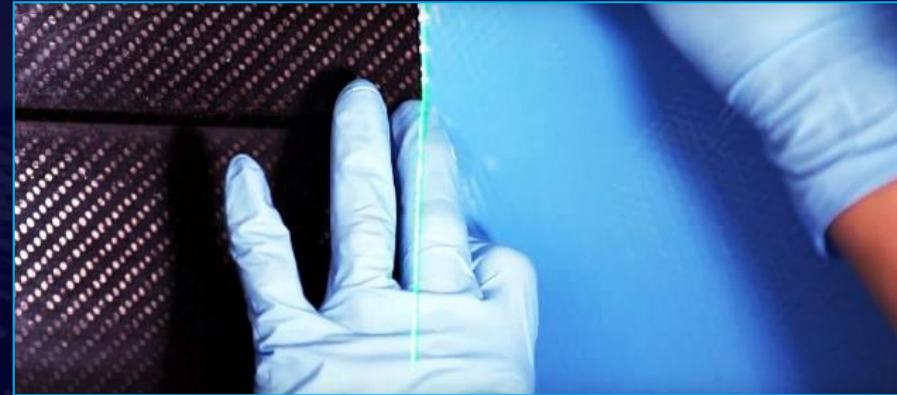
## DESIGN TO COST – BUILD TO SPEC/TO PRINT

x80 experienced engineers (CATIA v.5, CATIA COMPOSITE, SOLIDWORKS, RHINO, SAMCEF, MAGICS)



# PRODUCTION CAPACITIES

## CUTTING - LAY-UP - CURING



*Assisted lay-up of preregs*



*One of the largest autoclave in Europe*

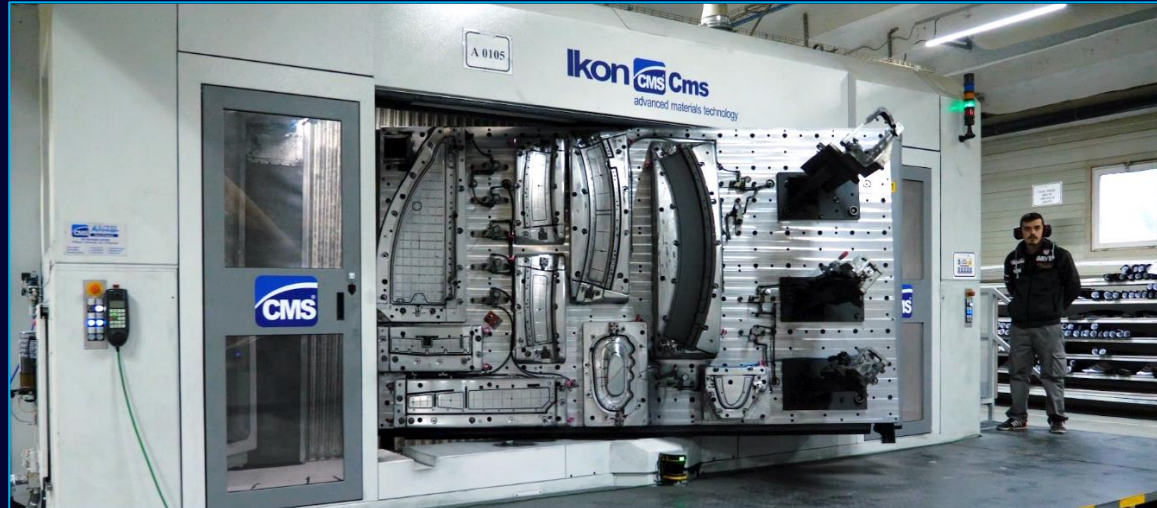


# PRODUCTION CAPACITIES

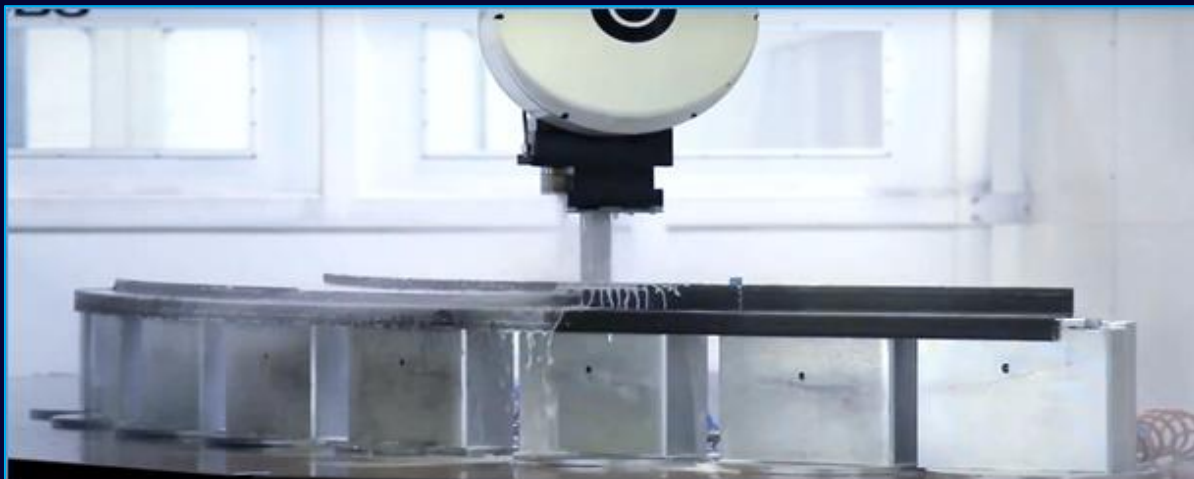
## 4.0 FACTORY - INDUSTRIALISATION



*Carousel bending machine for CFRP profiles*



*Rotating table 5-axis machining*



*11 x 4 x 1,75 m (capacity) 4-axis machining*



*6-axis High Speed Machining*

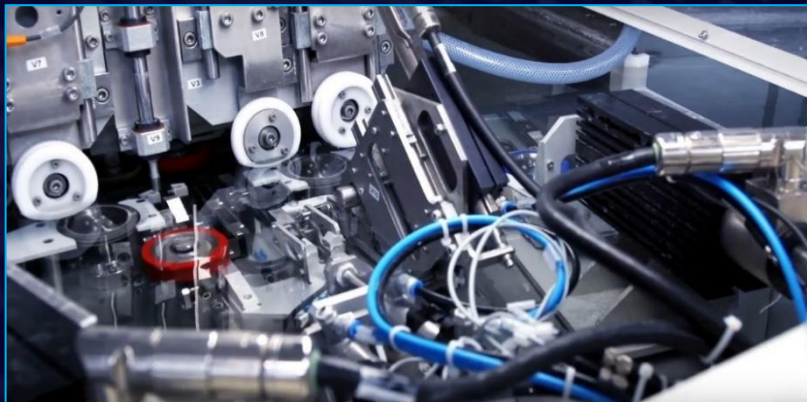
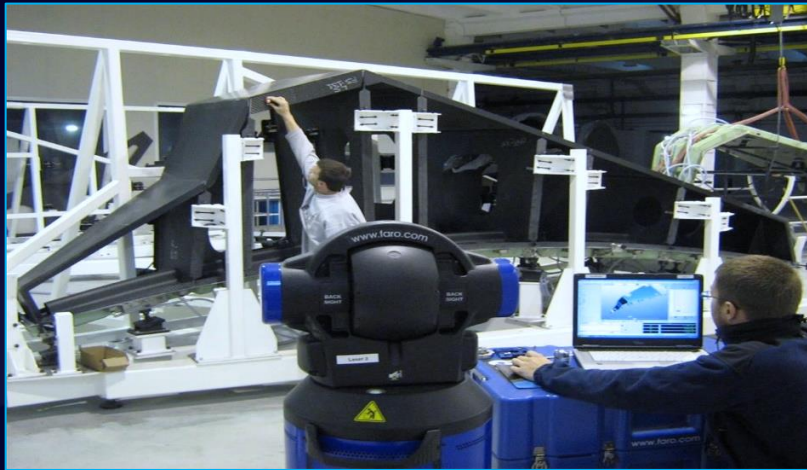


# PRODUCTION CAPACITIES

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## THERMOGRAPHIC, ULTRASOUND & DIMENSIONAL CONTROL



*Thermographic quality checks:*

# PRODUCTION CAPACITIES

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FINISHING – PAINTING – ELECTRICAL SYSTEMS ASSEMBLY

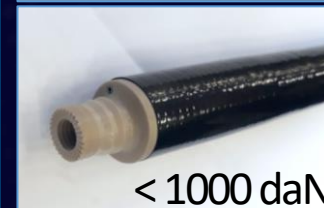
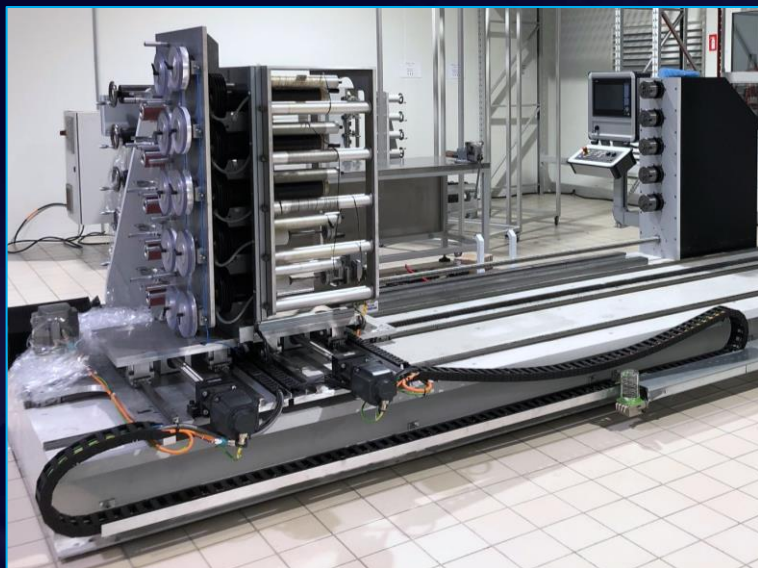




# FILAMENT WINDING



## TIE RODS, STRUTS, SHAFTS AND HP TANKS



< 1000 daN



50 000 daN



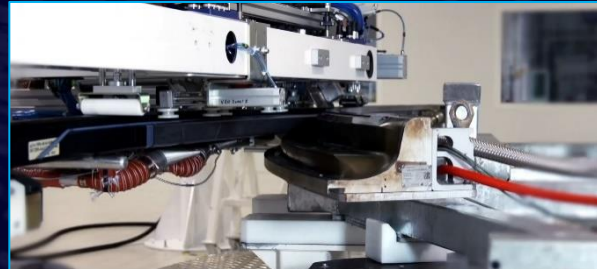
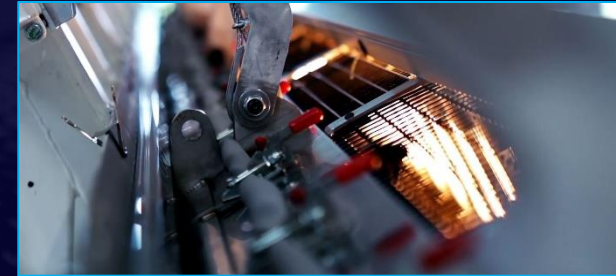
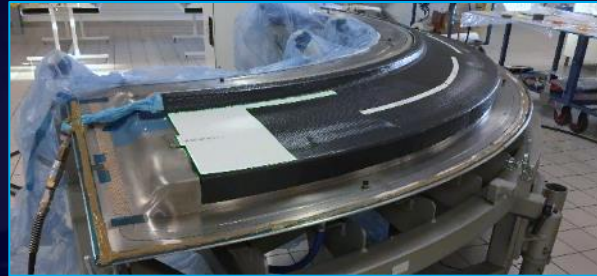
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Hi-tech and affordable composites struts, rods, transmission shafts & HP tanks - Dimensions ( $\varnothing$  10mm to 300mm / Length 150mm to 2500 mm → [customization on demand](#) – and various rod ends (steel, titanium, aluminum, plastic).



# INDUSTRIAL TURNKEY SOLUTION

## INDUSTRIALISATION OF FF (PREPREGS)





# INDUSTRIAL TURNKEY SOLUTION

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## INDUSTRIALISATION OF WF + APRON (RTM)



DUQUEINE masters the design of the **WINDOW FRAMES** and the **APRON**, the tools (incl. molds), the process (patent pending for WF) and the industrialization of it.

# CUSTOMERS

## LASTING PARTNERSHIPS

### INDUSTRY

#### AEROSPACE



#### THALES



#### AUTOMOTIVE



#### SPORT & LEISURE





## DUQUEINE Group (Headquarters)

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## QUALITY CERTIFICATION :



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