



# TOURNAIRE

## EQUIPMENT DIVISION



# TOURNAIRE

Produces the best, protects the most

**SINCE 1833**





# TOURNAIRE, THE EXPERT IN THE PROCESSING OF NATURAL RAW MATERIALS & TECHNICAL PACKAGING



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# MORE THAN 180 YEARS OF EXPERIENCE



**Foundation** by Joseph Tournaire, specializing in the manufacture of stills for perfume producers in Grasse.



**Diversification** into the pharmaceutical and agrochemical markets



**Creation of two divisions:**  
Equipment and Packaging



**Systematic approach** to export markets in Europe, America and the Middle East.



**Luc Tournaire** is appointed Chairman of the Board.



**First** subcritical water extractor pilot (patented)



# VISION & VALUES

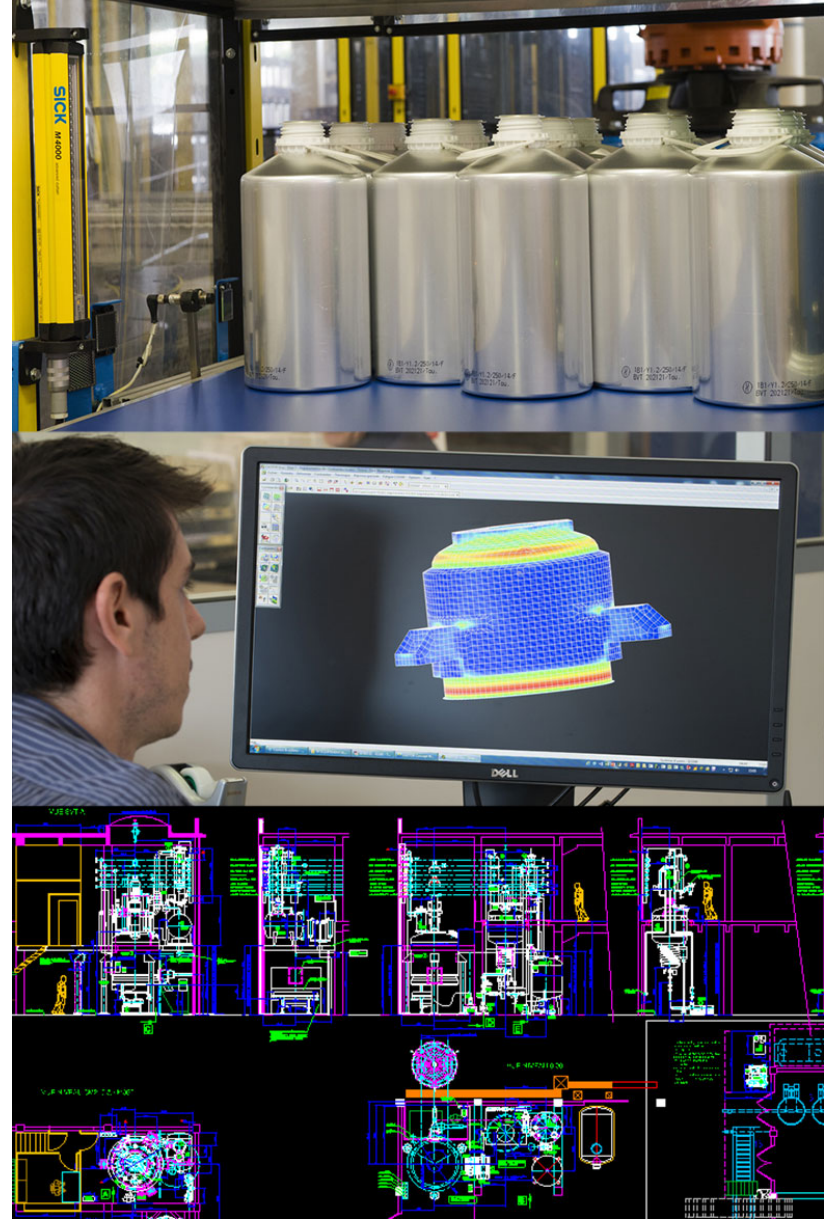
A pioneer, constantly looking for **innovative solutions**.

Expertise to provide **unique made-to-measure** global solutions

A systematic focus on **service**, to guarantee **quality**.

An organization run by **efficient** and **flexible** teams for the **coproduction of excellence**.

Far-reaching integration of environmental issues into a global **Quality-Safety-Environment** approach.





# TWO DIVISIONS FOR OVER 300 CLIENTS



## EQUIPMENT

Design of solutions for the processing and transformation of natural raw materials.



## PACKAGING

Design and manufacture of high-tech industrial packaging.

# TWO PRODUCTION SITES

**32,000** m<sup>2</sup> of plant on **120,000** m<sup>2</sup> of land

**GRASSE & CHALON-SUR-SAÔNE**



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# PIONEER & INNOVATOR

AN R&D DEPARTMENT WITH A STAFF OF 15 TO:

## PUSH BACK

unceasingly the technical limits of processes and materials.

## DESIGN

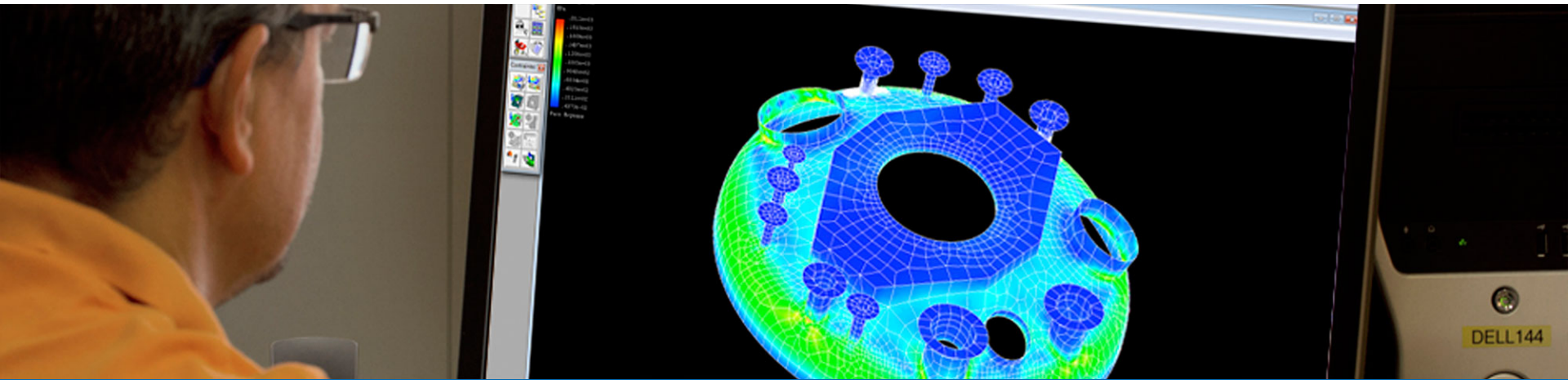
the most complete processes on the market .

## CAPITALIZE

on 180 years of experience.

## PROPOSE

solutions that set new standards.



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# QUALITY, SAFETY & ENVIRONMENT CERTIFICATIONS



A long-term policy for sustainable development.

Quality control processes that go beyond the demands of French and international regulations.

Your quality products require  
excellence in processing and protection

# PRESENCE ON THE SIX CONTINENTS



**70** countries on **6** continents

- Distributors and authorized agents in **38** countries.

# KEY FIGURES



DATE OF FOUNDATION



TOTAL PAYROLL



2017 TURNOVER  
(60% EXPORT)



SATISFACTION LEVEL



TOTAL SURFACE AREA OF PRODUCTION SITES



NUMBER OF EQUIPMENT ITEMS WORLDWIDE



AVERAGE EQUIPMENT LIFETIME



PRESENCE OF TOURNAIRE IN THE WORLD



NUMBER OF ACTIVE CLIENTS



MATERIALS PROCESSED ANNUALLY IN OUR PLANTS



NATURAL MATERIALS PROCESSED BY THE LARGEST UNIT



NUMBER OF PACKAGINGS SOLD IN THE WORLD



# THE EQUIPMENT DIVISION

TURNKEY EQUIPMENT  
AND CUSTOMIZED SERVICES  
FOR PROCESSING ALL NATURAL MATERIALS

# EQUIPMENT DIVISION

The only supplier capable of offering cross-cutting services and **designing a complete process** for production of premium solutions.

Design of **made-to-measure turnkey solutions** that match your goals.

**Unique know-how**, based on two centuries of feedback from experience.

**35**  
employees

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# EQUIPMENT DIVISION

## MARKETS:

- Flavors & Ingredients
- Perfume industry
- Cosmetics
- Specialty chemicals
- Pharmacy

## PROCESS EXPERTISE:

- Extraction
- Subcritical extraction
- Distillation
- Rectification
- Short path distillation
- Evaporation/Concentration
- Filtration
- Pilot Hall



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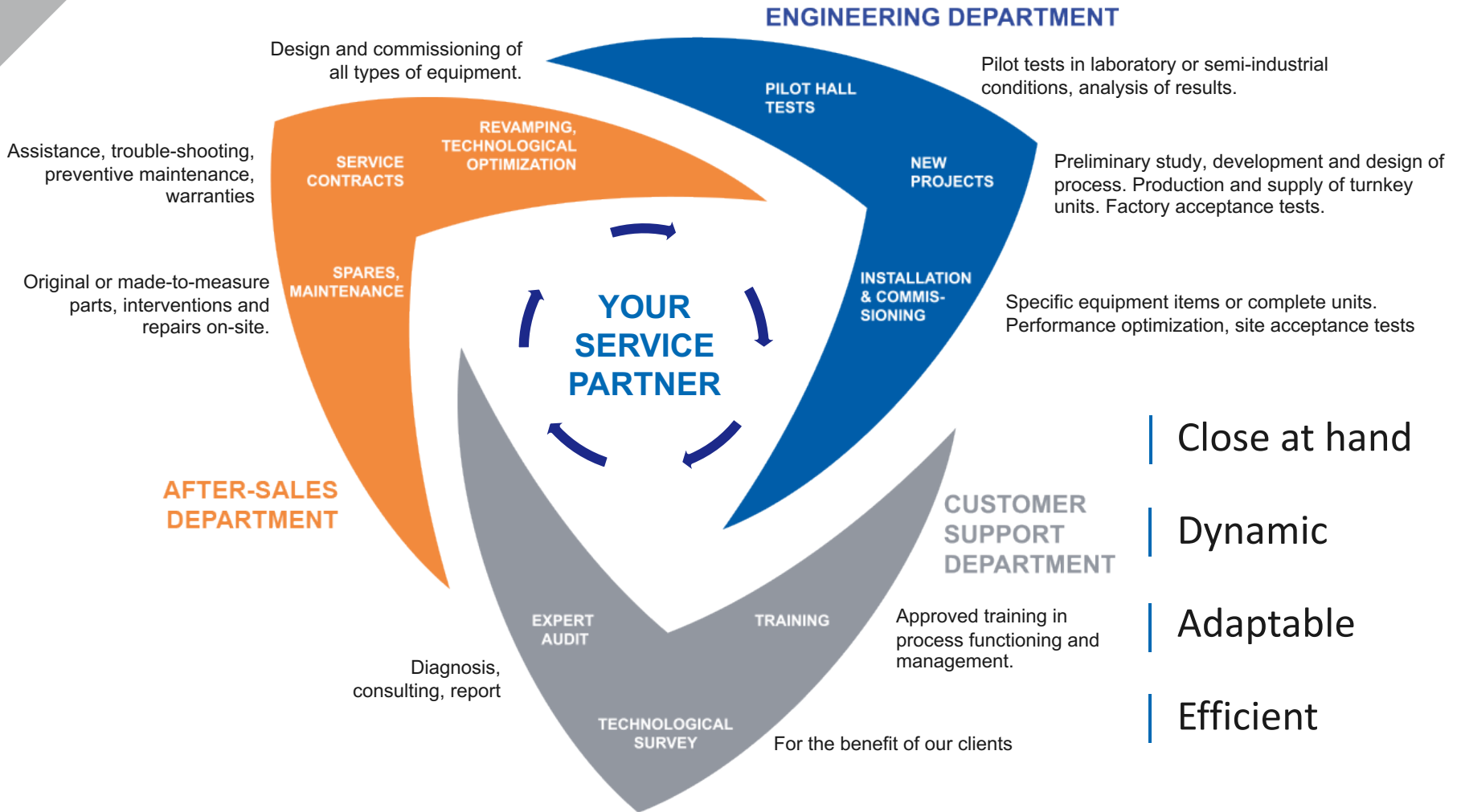
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# REFERENCES



# A BROAD OFFERING OF MADE-TO-MEASURE SERVICES



Close at hand

Dynamic

Adaptable

Efficient

# TURNKEY PROCESS SOLUTIONS

Fully integrated supply chain expertise to offer complete turnkey solutions.

Intervention at all levels in the design of a **complete process** for the production of made-to-measure premium solutions.

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# EXAMPLE OF A MADE-TO-MEASURE UNIT



3800 L

Pressure distillation unit comprising five 3,800 litres stills, fully automated.



99%

Two vacuum rectification columns with a capacity of 4 tonnes / day for the **purification** – to more than 99 % - of one of the compounds in the essential oil obtained by distillation.

40

Tonnes/  
day

Processing of 40 tonnes / day of clove powder, thanks to an innovative process

2 rectification columns – 9 m<sup>3</sup>



Vacuum rectification column stages optimized thanks to the **TOURNAIRE** pilot hall.



Prior validation of process parameters to **guarantee daily processing capacity**, distillation yield and the purity of rectified products.



# EQUIPMENT

| Extraction

| Sub-critical extraction

| Distillation

| Rectification

| Short path distillation

| Evaporation / concentration

| Filtration

| Pilot hall



# YOUR TEAM

## SALES

EQUIPMENT DIVISION MANAGER

**Franck Bardini**

[franck.bardini@tournaire.fr](mailto:franck.bardini@tournaire.fr)

(33) 493 093 447



PROCESS AND MARKET DEVELOPMENT EXPERT

**Jean-Marie Chiocci**

[jean-marie.chiocci@tournaire.fr](mailto:jean-marie.chiocci@tournaire.fr)

(33) 493 093 466



SERVICE CLIENT

**Michel Beysson**

[michel.beysson@tournaire.fr](mailto:michel.beysson@tournaire.fr)

(33) 493 093 414

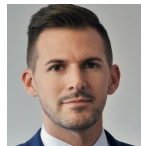


INTERNATIONAL SALES ENGINEER

**Nicolas Tetard**

[nicolas.tetard@tournaire.fr](mailto:nicolas.tetard@tournaire.fr)

(33) 493 093 417



PROCESS ENGINEER

**Timothée Rohart**

[timothee.rohart@tournaire.fr](mailto:timothee.rohart@tournaire.fr)

(33) 493 093 451



## SERVICES

HEAD OF DESIGN OFFICE

**Laurent Blassiau** [laurent.blassiau@tournaire.fr](mailto:laurent.blassiau@tournaire.fr)

(33) 493 093 410



PURCHASING MANAGER

**Laurent Perot**

[laurent.perot@tournaire.fr](mailto:laurent.perot@tournaire.fr)

(33) 493 093 460



PRODUCTION MANAGER

**Patrick Bouroullec**

[patrick.bouroullec@tournaire.fr](mailto:patrick.bouroullec@tournaire.fr)



MANAGEMENT ASSISTANT

**Karine Condo**

[karine.condo@tournaire.fr](mailto:karine.condo@tournaire.fr)

(33) 493 09 34 18





**THANK YOU FOR YOUR ATTENTION**

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**SINCE 1833**

TEL. + 33 493 09 34 34

FAX +33 493 09 34 00

70, ROUTE DE LA PAOUTE

LE PLAN - CS 71004

06131 GRASSE CEDEX FRANCE

