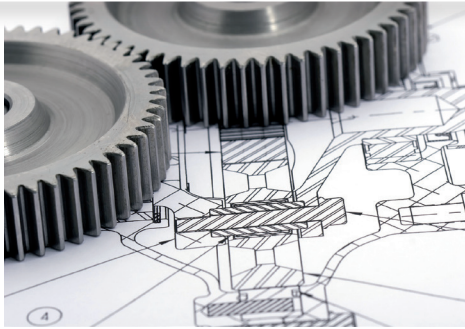
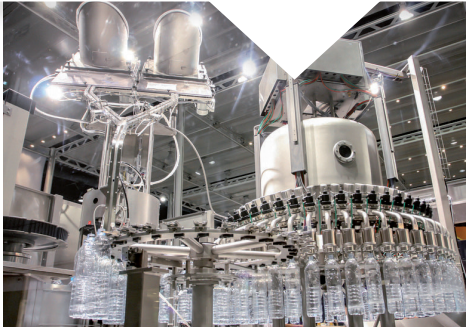


SPECIAL MACHINES



TYPES OS SERVICES

- Defining projects and preparing a schedule of specifications,
- R&D and calculations for mechanics, electricity, automation and robotics,
- Complete studies up to production launch,
- Management and control of domestic and international subcontractors.

TYPES OF WORK

- Dosing, toppings by weight and volume,
- Liquid, viscous, with pieces,
- Heat sealing, wrapping,
- Cutting, slicing, crumbing,
- Extracting, and vibrating bowl,
- Drying machine,
- Putting into cartons,
- Palletisation and depalletisation,
- Conveyor belt, maintenance and substation ergonomics,

SECTORS

- Food industry,
- Laboratories,
- Cosmetics,
- Pharmaceuticals,
- Naval,
- Nuclear.

ORGANISATION

- Draft project,
- Costing,
- Process,
- Dimensioning,
- Control,
- Studies,
- Implementing details,
- Ready for manufacture.

CALCULATION SOFTWARE

- SOLIDWORKS SIMULATION,
- ROBOT,
- ANSYS.

CAD SOFTWARE

- SOLIDWORKS,
- CATIA V5,
- AUTODESK,
- AUTOCAD,
- CREO (PRO ENGINEER),
- UNIGRAPHICS,
- MICROSTATION.

SPECIAL MACHINES AND R&D, BENCH TESTS AND OTHER TESTS



TYPES OF SERVICES

- Finding solutions for costings and project drafts,
- Bench tests, bearings, openings, electrical systems, fluid transfers,
- Manufacture, tests, start-up,
- Management of substation adaptation process and lines transfer,
- Improving productivity.

TYPES OF WORK

- Test benches for aeronautics,
- Static and dynamic bench tests,
- Security bench tests,
- Endurance and fatigue bench tests,
- Bench tests for describing and measuring,
- Universal bench tests.

SECTORS

- Food industry,
- Laboratories,
- Aeronautics,
- Automotive,
- Rail,
- Naval,
- Nuclear.

ORGANISATION

- Draft project,
- Costing,
- Process,
- Dimensioning,
- Control,
- Studies,
- Implementing details,
- Ready for manufacture,
- Moving equipment within France and abroad.

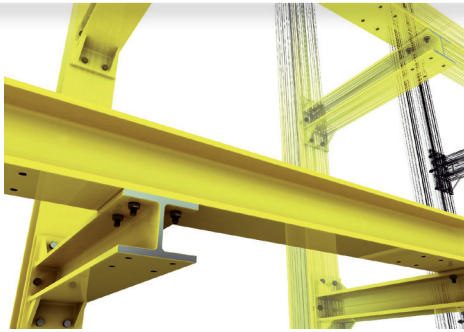
CALCULATION SOFTWARE

- SOLIDWORKS SIMULATION,
- ROBOT,
- ANSYS.

CAD SOFTWARE

- SOLIDWORKS,
- CATIA V5,
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- AUTOCAD,
- CREO (PRO ENGINEER),
- UNIGRAPHICS,
- MICROSTATION.

CALCULATIONS : BEAMS, STRUCTURES, STARCASES, WALKWAYS, DECORATIVE FEATURES



TYPES OF SERVICES

- Modal analysis, own frequency, damping and related design,
- Linear and non-linear static analysis,
- Linear and non-linear dynamic analysis, vibratory analysis,
- Spectral response and transient response, fatigue analysis,
- Heat analysis.

TYPES OF WORK

- Stability checks,
- Load lowering,
- Check of anchoring points,
- Buckling and fatigue analysis,
- Restrictions and critical loads,
- Joints, fixed screw connections, brackets and welded joints,
- Checks of lifting systems and gantry cranes.

SECTORS

- Industry,
- Construction.

TYPES OF STRESS

- Mechanical (pressure, heat)
- Climate (snow, wind)
- Human (wear)
- Environmental (seismic)

CODES APPLIED

- CM66,
- EUROCODE 3,
- EUROCODE 8,
- PS92,
- NV65,
- ANSI.

SOFTWARE

- SOLIDWORKS SIMULATION,
- ROBOT,
- ANSYS,
- PATRAN,
- NASTRAN,
- REVIT STRUCTURE,
- SOLIDWORKS (Plans),
- TEKLA (Structure plans).