

Customized standard enclosures, LTP-Multitechnology

THE CUSTOMIZED STANDARD ENCLOSURE **ELECTRONICASE**

→ A REVOLUTION within the manufacturing of STANDARD and CUSTOMIZED enclosures!



Calculate you instant quote online!

- > Choose your model within the ElectroniCase product range
- > Personalise your ElectroniCase as per your dimensions and finishing
- > Create your quote independently and instantly on line
- > Order on line
- > Receive your prototype within **5 DAYS**

**> WHEN
STANDARD
BECOMES
CUSTOMIZED**



+ MODELS and production samples on www.electronicase.com

LTP-MULTITECHNOLOGY

One contact for the whole of your projects

The out-sourcing department "MULTITECHNOLOGY" assists you in the research and the realisation of technical solutions and the operational coordination of the supplies.

With LTP-MULTITECHNOLOGY, simplify your coordination and increase your efficiency:

- > We advise you in the research of the most adapted technology.
- > The engineers of our design office create, verify and adapt the drawings necessary for the realisation of your product.
- > We choose within our reliable network the most suitable subcontractors and insure the technical dialogue for a maximum efficiency.
- > We control the conformity at the receipt of the subcontracted products.

Our partner agreements allow us to guarantee the best value-for-money offer and the best quality for each of the technologies below:

- > Thermoplastic injection
- > Low pressure resin injection
- > Thermal forming
- > 3D milling in large thicknesses
- > Metal shield bending
- > Membrane keyboards
- > Extrusion (transparent material, elastomer parts)
- > Customised packaging

How does it work?



1

From the first contact,

an experienced technical sales person is assigned to each customer, in order to accompany the customer within the first steps of the project:

- Verifies the correct understanding of the electronic device's application and its environment
- Advises and brings technical solutions
- Sets a provisional budget for the prototype realisation and the manufacturing of a serial production

2

next,

The technical and production teams of LTP take over to:

- Design and realise a prototype:
An indispensable step to verify the correct understanding of the given information and to allow the customers test the functional capability of the product towards their needs.
- Manufacturing of the serial production run:
From quantity 10 to several thousands, our work shop assures the manufacturing equivalent to the validated prototype.

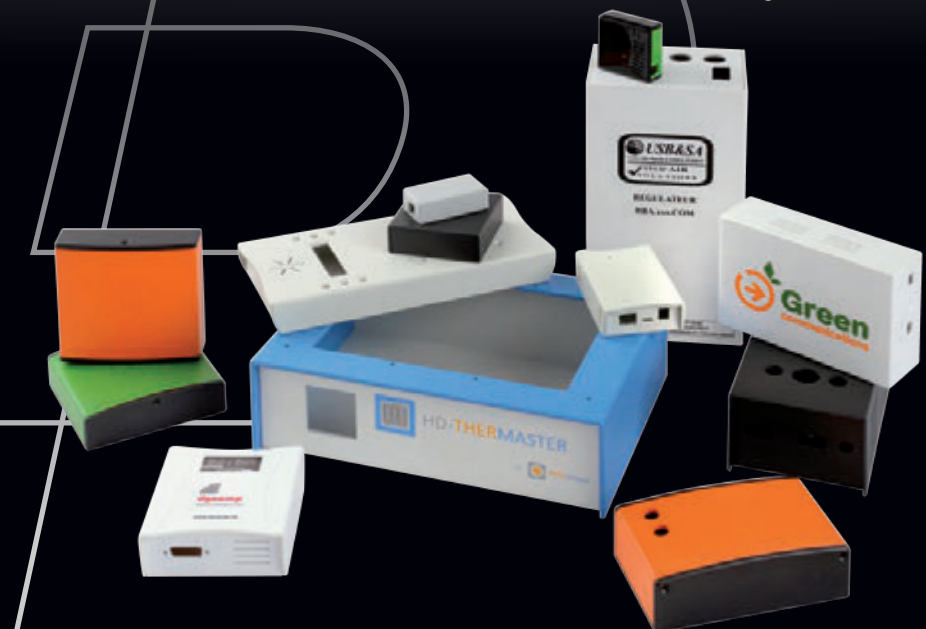
LTP

LA TÔLERIE PLASTIQUE



Custom Plastic Enclosures

No moulds, no tooling, low to medium production runs



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LA TÔLERIE PLASTIQUE

LTP designs and produces custom plastic enclosures for electronic devices manufactured in small to medium production runs.

An integrated PROCESS without any tooling costs

In order to guarantee the expected service by the customer, with the flexibility and the reactivity indispensable for the markets of small and medium production runs, LTP has integrated the necessary resources here on site in Octeville sur Mer, Normandy, France:

- In-house Designer
- Engineering / Design Office – 5 engineers (CAD: Solidworks)
- Dedicated Prototype Assembly Team
- Manufacturing Plant for serial production runs: 15 milling, 5 bending, 2 round-bending machines
- Finishing work shop: 3 painting cabins, 2 digital printing machines, screen printing and pad printing equipment
- Final in-house quality control



One TEAM, One ORGANISATION

Resolutely focused towards our customers' satisfaction, the LTP team and organisation works within the scope of ISO-9001.

One team...

- > With an open ear for difficulties and needs
- > Technical and experienced
- > Multi-disciplinary
- > Available for our customers

One organisation...

- > Flexible and reactive towards customers' urgencies
- > Secure to achieve the expected results
- > Incorporating the tractability of corrective actions
- > Organised within the principles of Lean manufacturing

With over 30 years of experience in serving customers, the LTP team advises you and brings technical and aesthetic solutions towards all your difficulties and needs.

The technology of plastic shield bending, proved over the last 30 years, is the most efficient technology for small and medium size production runs.

ADVANTAGES of the technology

Invented in 1985 by the company LTP, the technology of plastic shield bending allows to design and manufacture customised plastic enclosures without any mould or tooling:

- No initial investment
- Product evolution possible between each production batch
- Quick production & design lead-times for prototypes
- Short production lead-times for serial production runs
- No minimum quantities for serial productions
- An entirely customised and unique product with internal fitments and finishing

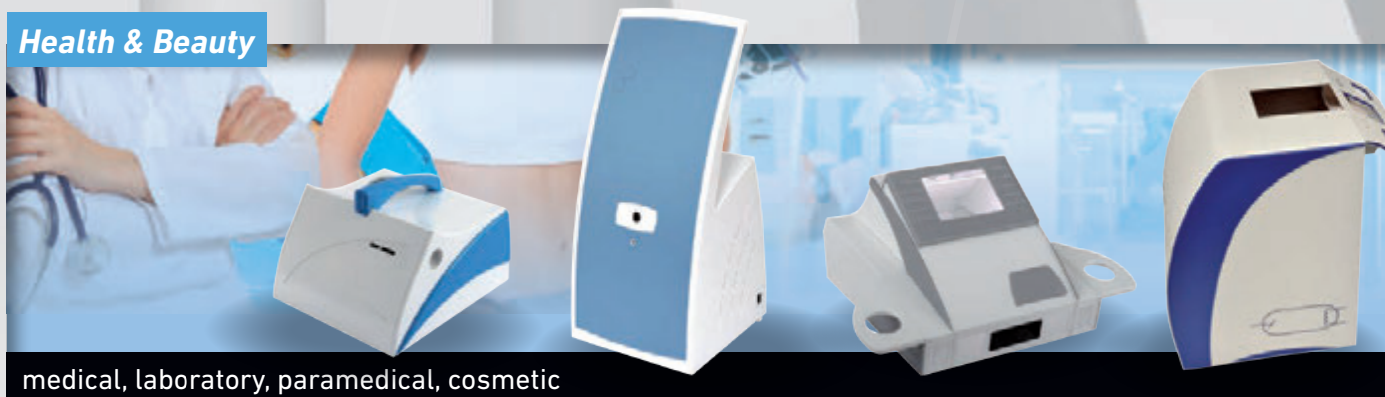
THE APPLICATION SECTORS

- Design and manufacture rapidly
- Integrate the production evolutions without additional delay or cost
- Adapt the product to each market segment: functionally and aesthetically

That many challenges to defeat in those markets, which respond mainly to reactivity, in order to allow clients, win market shares and implant themselves and stand their ground within a fierce competitive environment.

LTP is the preferential partner of companies within the Electronic Application Sectors who demand this reactivity.

Health & Beauty



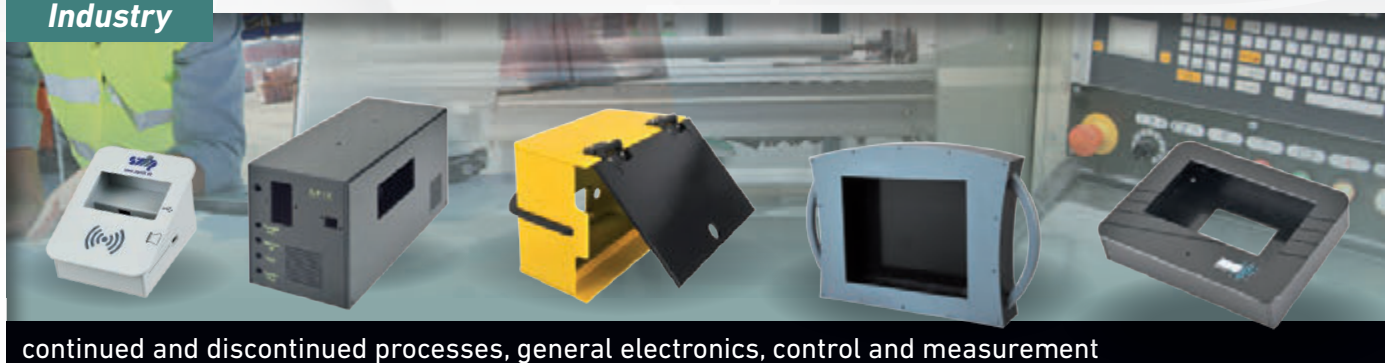
medical, laboratory, paramedical, cosmetic

Tertiary



detection and security, office, professional IT

Industry



continued and discontinued processes, general electronics, control and measurement

DESIGN & AESTHETICS: the capital of seducement

Shape, material, colours...

In a highly competitive environment, those elements are often essential to make the difference and to give your company a dynamic image and to reinforce the sales development.

An internal designer with over 20 years of experience in customers' requests and the technology, accompanies you in the research of the most adapted aesthetic for your plastic enclosure.

The finishing production steps are all realised internally in our on-site workshops:

- **Marking:** digital print, screen print, pad print
- **EMI paint:** Selective application of an EMI paint copper or nickel
- **Paint and clear varnish:** all RAL colours and more available

Those operations are included in our ISO 9001 certification and in our LEAN manufacturing organisation.

THE DPP PACKAGE

Design / Production Design (programming) / Prototype

ONE budget and ONE contact for your project, from the design proposal to the manufacturing of the prototype.



ADDITIVE MANUFACTURING – 3D PRINTING

Our 3D PRINTING TEAM assists and accompanies you for all additive manufacturing projects:



- > Expressing needs: drawing, retro-design
- > Researching the most adapted technology
- **FDM (Fused Deposition Modelling)**
- **SLA (Stereolithographic UV light)**
- **SLS (Powder layers with laser agglomeration)**
- **MULTIJET**
- > Prototype Manufacturing
- > Supervising the production of serial orders



For all parts simple or complex, we suggest the most adapted technology:

- > Within our workshops on site for FDM
- > Via our selected partner network for all other technologies

Environment

Eager to respect the environment, the company La Tôlerie Plastique uses raw materials adapted towards the following objectives:

- Range of recycled styrene plastics
- Range of organic plastics developed and certified by LTP
- Range of raw material and accessories in line with ROHS and REACH

