STAMPING
MOULDING
OVERMOLDLING
ASSEMBLY
MECHATRONIC
MACHINES
Axon’ Mechatronics

Your technological partner
Axon’ Mechatronics, partner to your products offer complete, innovative and cost effective interconnect solutions.
Axon’ Mechatronics is at the disposal of it’s customers and offers the competence of it’s engineers and technicians in:
- Stamping,
- Moulding, overmoulding,
- Assembly, mechatronic,
- Insertion and preforming machines for interconnections.

Simultaneous Engineering
Collaborative productivity for project competitiveness
Axon’ Mechatronics assures the development of the products at the beginning of the projects.
The Research & Conception Department uses CAD (visioconference and networks IT)
And is organised in customers orientated “project teams”.
Axon’ Mechatronics’ competences on the same site will allow us to master all your interconnect projects and contribute towards:
- reducing the time to market
- optimising the cost of production
- saving time in the development of your products and associated industrial processes.

Quality Assurance
Axon’ Mechatronics is committed to a continuous development process in quality and has obtained ISO TS 16949 and ISO 9001 version 2000 Standards.

Stamping presses : 15 to 110 tons
Stamping of materials from 0,06mm to 2 mm thickness
Processing of all types of complex materials : Cu, CuZn, CuZn9P, Cube, stainless steel, inconel
Realization of cutting and stamping tools
Prototyping.

The components
- Through hole type of inserted connections for wave soldering, PIHR(Pin In Paste) for reflow soldering, Pressfit
- Taped or loose contact pieces,
- EMC protective shields
- Leadframe component supports
- Electrical terminals
- All types of custom designed overmoulded or inserted connector contacts from medium to big series.
Axon' Mechatronics' Know how in moulded, overmoulded, assembly of plastic and metal interconnects makes it's reputation. As an expert in automatized processes, Axon’ Mechatronics develops continuous stamped and assembled interconnect solutions for a competitive global cost.

**Products and services Characteristics**

- Conception of associated production means: continuous automation and overmoulding
- Injection moulding equipment from 25 to 110 tons and peripherals
- Thermoplastics and polymers transforming: ABS/PC, PA, PBT, PPS, LCP, ...
- Overmoulding of taped and loose insert parts
- Prototyping.

**The components**

- Overmoulded electrical strips
- Connector housings
- Overmoulded connectors
- All types of moulded and overmoulded technical parts.

To conform to productivity and quality criteria, and in addition to stamping and overmoulding activities, Axon’ Mechatronics design and industrialise their own assembling equipment.

**Conception and realisation of custom-designed assembly processes**

- Automatic connector assembly
- Mechatronic products automatic assembly
- Automatic packaging in plastic formed tapes.

**The components**

- Electrical box terminals
- SMD terminal connections on carrier tapes or on thermoformed plates
- Inserted connector contacts
- All types of assembled interconnect technical parts.
Axon’ Mechatronics design and produce a large range of machines for the preparation of electronic components and insertion of interconnections.

**The machines**
- Preforming machines of axial and radial or specific standard components
- Semi-automatic standard or special insertion machines
- Special machines.

In addition to its expertise, Axon’ Mechatronics assembles electronic components on interconnect products. Referring to M.I.D. technologies (Moulded Interconnect Devices), this principle allows a large series of functional circuits at a competitive cost. Electronic production processes allow us to assemble SMD components (or more traditionally) by reflow soldering over overmoulded or inserted electrical strips.

**The components**
- Overmoulded electrical strips
- All types of custom-designed mechatronic technical parts
- Overmoulded connector housings.
Design and production of cables & innovative interconnect systems for advanced technologies.

Headquarters : Montmirail (France)
1965 : established
15 subsidiaries worldwide
70% of group turnover obtained in export (EEC, North America and Asia)
10% of group turnover invested in R&D.

Being part of the Axon’ group allows Axon’ Mechatronics to benefit from technical expertise of the R&D Departments : EMC research, Polymer, metal plating, Industrial processes, Soldering research,...

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