

EXPERTISE IN MINIATURE METAL-PLASTIC PARTS



AERONAUTICS



AUTOMOTIVE



COSMETICS



DEFENCE



ELECTRONICS



ENERGY



MEDICAL



OFFSHORE



RESEARCH CENTERS



SPACE



WATCHMAKING



Very small is beautiful!
This sentence sums up Axon' Nanotec's expertise in miniature plastic or metal-plastic parts for any devices with space-constrained requirements. Reliability is a real challenge when it comes to extreme miniaturization.

Axon' Nanotec —part of the Axon' group, a leader in cables, connectors and interconnect solutions— specializes in the design and manufacture of miniature metal-plastic parts.

With over 30 years of experience, the design of miniature watch components has made Axon' Nanotec an expert in high precision stamping, turning, injection and assembly of micro and nanotechnologies for challenging industrial markets including medical, space and cosmetics.



MICRO-STAMPING

- Over 20 years of experience in high precision stamping
- Stamped parts made with materials including stainless steel, steel, aluminium, brass, iron/nickel with thicknesses from 0.02 mm to 2 mm.
- Expertise in nickel or gold plating and tribofinishing.



PLASTIC INJECTION

- Design of micro-injected parts & molds
- High-precision : tolerances below 3 microns
- Materials used: LCP, PPS, etc.



OVERMOLDING & ASSEMBLING

- Overmolding of small parts with robotized loading
- Manual and automatic assembling process.



WIRE PINS & PIN HEADERS

- Expert in electrostriction
- Round & square wires
- Smooth & spherical tips
- Hexagonal tips
- Straight, with angle
- Delivered in bulk or in reels.



PRECISION TURNING

- Large expertise in precision turning : small diameter parts from 0.9 to 32 mm
- Standard & custom-design precision tools for watchmaking & jewelry industries.



ABOUT THE AXON' GROUP

Innovative interconnects & connectors

- 170 M€: consolidated turnover in 2021
- Over 2400 employees worldwide
- 70% of sales achieved through export
- 21 subsidiaries including 12 production sites
- Over 50 years of expertise
- 10 % of turnover invested in R&D



CONTACT US

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