

航空,航天,军用,  
通讯等专用连接套件  
消费与汽车电子的扁平线

**ELECTRONICS  
ASSEMBLIES**  
FOR AEROMIL  
& TELECOM  
APPLICATIONS

**FLAT FLEXIBLE  
CABLES**  
FOR CONSUMER  
& AUTOMOTIVE



**axon'**  
CABLE & INTERCONNECT



## AXON' INTERCONNECT LTD.

In term of market orientation, the Company positioned itself in producing **high quality, high interconnect products** and decided to offer **high quality, high technology interconnect solution** and as well the best service to its asian customers.



Chinese Engineer designs high tech assemblies



### VERTICAL INTEGRATION

By vertically integrating almost all interconnect "know-how" into the company, the AXON' group can :

- with their technical departments, aid the system architect to design and define a global interconnect solution;
- with their production units, produce in a short time and at reduced cost, both prototypes and volumes of components and interconnect systems.



Simultaneous Engineering between French and Chinese Engineering Departments.

## THE AXON' GROUP

Founded in 1965 in Montmirail - France, The Axon' group currently comprises 15 companies with more than 1700 employees worldwide. Out of those more than 200 are engineers.

The Axon' group offers high technology interconnect solution to more than 3000 customers worldwide and products more than 3000 types of products in this segment. The group has witnessed a rapid growth in the recent years due to its commitment to the leading technology and its sound management. The group has further progress and grow with the requirement of companies in the related industries.

With the rapid development and growth of its key customers such as Nortel in China, Axon' has decided to invest in a new facility in Shunde. Guangdong Province of China to match and support the industries with high technology interconnect products. This is also tuned towards the market trend and demand in the Asia Pacific Region and China. Axon' Interconnect Limited was founded in 11th December 2000 in Shunde, Guangdong, China. The Company is the subsidiary which assembles design, production and sales under Axon' Cable S.A.S.

The factory has over 12,000 m<sup>2</sup> of area which will be mainly used for the manufacturing of data network products for Telecom, high tech assemblies for Aerospace, Aviation and Military electronics, and FFC (Flexible Flat Cable) for consumer electronics & automotive industries.

Production Department of high volume telecom assemblies





FFC Pitch control with profile projector

## Quality assurance

- We will provide our customer with products and services that fully meet their requirement.
- We will achieve World Class product and service quality standards through Total Quality Management and doing the job "RIGHT FIRST TIME".
- We will pursue continuous improvement in the quality of our products and services.
- We will achieve these aim through well-trained empowered employees, led by a focused participatory management team, involving the whole supply chain.



AXON\* has successfully retained approval of **ISO9001**, **ISO14001** and **TS 16949**. The compagny is planning to further develop its quality program with Business Excellent Models (EFQM).

Cut to length and FFC selection



Management

## Training

Human resource is always the most valuable asset to our company. In order to maintain best performance on management and high quality level of products, we have invested substantial capital in improving different functions of the company. Frequent in-house trainings will be provided to our staffs like, product development operation procedures, technical operation and precaution procedures.

In order to cope up with the most advanced production technology, our staffs will be sent to France headquarter for training on non-regular basis.

We believe that by sending our staffs for overseas training, it helps to strengthen and improve themselves on their skills and as well creating an opportunity for them to broaden their knowledge. They will be an important asset to the company on future development.

More and more opportunities will be offered to our staffs in order to cope up with the continuous development of the company.



Product development operation training

## AEROMIL & SPACE



The clean room

## TELECOM



## Databus

Consists of Cables, Couplers, End of Line Impedance & connectors manufactured to MIL-STD-1553. The main applications of databus are for military, aeronautic & aerospace.

**Specification of Cable :** Specify the characteristic impedance, the capacitance and the insertion losses. The cables are available with single braid, double braid or high immunity shielding.

**Couplers :** AXON' offers 2 families of couplers, defined according to the field of application:

**In-line couplers :** AMB Family (AXON' Microbus)

**Removable couplers :** ADB Family (AXON' Databus)

**Transformer :** AXON' has developed a proprietary transformer to optimise performance within the 1553 frequency band and over a wide range of temperatures. These transformers correspond to MIL-T-21038 and have been qualified to the EUROFIGHTER JN 1081 standard.

**Accessories :** 77 $\Omega$  bus termination, Removable 1 k $\Omega$  or 3 k $\Omega$  stub loads and Splices.



## Microwave/RF

AXON' microwave assemblies for BTS consist of a 5 mm diameter AXOWAVE® microwave cable terminated with SMA, N-type or metric 4.1-9.5 and 7-16 connectors. The use of the AXON' expanded PTFE dielectric, CELLOFLON®, provides excellent electrical performances featuring a low dielectric constant ( $\epsilon = 1.5$ ) combined with low insertion losses.

## Micro D Harnesses

Multibranched assemblies terminated with different types of overmoulding and connectors : circular, miniature, coaxial, micro-D, Sub-D,...



Optical microscope control of a micro-coupler

## Data/telecom Cable assemblies

AXON' is a recognized supplier of cable assemblies for GSM, DCS, PCS and CDMA base station with frequencies of respectively 900, 1800, 1900 and 800 MHz.

Axon' interconnect is a leader in development of state of the art equipment and processes to support customer design products for telecom appliance. We are able to offer a complete range of moulded and non-moulded cable assemblies to your exact specification.





## CONSUMER & AUTOMOTIVE ELECTRONICS

Flat Flexible Cable volume manufacturing using highly automated in-line process

## WiFi/Antenna



### High performance miniature coaxials (PICOCOAX®) up to 6 GHz

To connect antennae to the electronic cards of wireless equipment.

**Descriptions :** Flat tin plated copper conductors insulated between Polyester based tapes.

**Connection :** Compatible with ZIF, LIF connector, crimp contact or solder connection.

**Characteristics :** Low cost, low profile, easy to install, can be shielded with an aluminium tape, shield connection on one or several conductors.



Control of Wi-Fi miniature Pico-Coax® cable

FFC ranging from 0.3mm to 2.54 mm pitch

## FFC

Flat cables with flat copper conductors insulated with polyester to save space.



## AXOLINE®

Flat copper conductors flat cables with thermoplastics insulation for doors, headliners to save weight and space compared to round cables.



**AXON' INTERCONNECT LTD**

# AXON' IN ASIA

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## AXON' GROUP

**Design and production of cables  
& innovative interconnect systems  
for advanced technologies**

**Headquarters : Montmirail (France)**  
1965 : established  
3000 customers / 30 000 products  
15 subsidiaries worldwide  
60% of group turnover obtained in  
export (EEC, North America and Asia)  
10% of group turnover invested in R&D.

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can be changed without any prior notice.