

# Aeronautical Components

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Digicon manufactures mechanical aeronautical components in conformance with client designs and special process specifications - all within the bounds of accepted industry quality standards. A modern machine shop allied to a variety of in-house special processes gives Digicon the ability to offer its clients reduced lead times, quality assurance, new process development and full logistics at competitive pricing. With the added financial stability provided from a solid industrial group with over 30 years of experience, Digicon can become a unique, long term supplier to your aeronautical needs.

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**digicon**  
[www.digicon.com.br](http://www.digicon.com.br)

# Machine to Print, and Much More

Digicon started manufacturing Aeronautical components in 2001 with moderate to complex machined parts for aircraft air managements systems. Over the years Digicon also developed and certified to client and international specification a diversified set of in-house special processes to improve lead times and maintain a higher level of quality. The result is a higher level of customer satisfaction.

## Services

- ▶ Build to print machining.
- ▶ Sourcing of raw materials (casting, bar stock, exotic materials).
- ▶ In-house special processes:  
Chrome and nickel plating, sulphuric and chromic anodization, passivation, heat treatments and NDT (fluorescent penetrant and magnetic particle inspection).
- ▶ Self release quality assurance.
- ▶ Delivery logistics.
- ▶ Quotations and contracts in Euros or US dollars.
- ▶ New process certification.



Digicon currently supplies parts made from castings and bar stock in a variety of materials: PH steels, aluminum, titanium, cobalt and nickel alloys.

## Assured Quality

Assured quality ensures consistently conforming hardware at competitive prices – This is what Digicon strives for. Robust process implementation, advanced quality systems and instrumentation, constant personnel training, quality clinics and certifications such as AS 9100 and ISO 9001:2000 are just some of the frameworks we work within every day. As a result of these activities we are currently on self-release with our clients.

## Group Infrastrucure

The aeronautical component division (DCA) of Digicon spans over 2000 sq m (21 500 sq ft) and is part of a 33 000 sq m (355 000 sq ft) industrial facility. With a philosophy of maintaining control over all manufacturing processes, the Digicon Group is constantly renewing its manufacturing equipment and improving already robust processes. It is also developing new capabilities that will help improve its line of products and services.



A modern, clean and well lit machine shop helps produce consistent quality parts.

## Aeronautical Capabilities



A new and modern plating facility guarantees adherence to surface treatment specifications.



All machines and processes have terminals for DNC and production shop floor data collection.

Since its inception in 2001, the aeronautical division has been constantly developing new processes and investing in new equipment, production resources, layouts and personnel training. Additional investments are also made to improve quality and reduce non-conforming production parts, thereby improving services to our clients with the added advantage of becoming a more competitive supplier.

Shop floor data is analyzed to improve processes and manufacturing.



## Our Vision

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Constant training of operators improves our processes and quality.

Digicon was able to successfully enter the aeronautical market and deliver consistent quality production parts at competitive prices due to its over 30 years experience in the development and manufacture of industrial products used in demanding applications.

It is the vision of the Aeronautical Components area of Digicon to continue to develop its current capabilities and product offerings. It is also looking for new opportunities that would be able to leverage the experience of the Digicon Group in electronic board production and testing, cabling, final product assembly, sheet metal processing and many others. Digicon would also welcome the opportunity to quote for mechanical assemblies and mechanical/cabling/electronic assemblies.

## Digicon Group

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Constantly growing since 1977, the Digicon group has 33 000 sq meters of built manufacturing, engineering and administrative areas.

important manufacturing processes. As examples, we currently have automatic electronic component insertion capabilities of over 60 000 components per hour, with fully automatic post-insertion test equipment. Digicon also operates a full mold making shop and operates 8 injection molding machines. Paint shops include liquid and powder capabilities. A dedicated cabling area processes cables and connectors into fully assembled and tested harnesses. At the integration level, Digicon fully assembles, tests, packages and ships all of its products.

The Digicon group was founded in 1977 and has consistently grown since then to over US\$ 100 million (estimate, 2008) in billings. Its market philosophy is to design, manufacture and market products and services that are mission critical to our clients. These include full ATMs for the banking area, on-street traffic controllers to control vehicular traffic, gravimetric controllers for plastics extrusion and much more.

Its innovative approaches to product definition and development, manufacturing, marketing and sales contribute to the technological and commercial innovation of its products, allowing them to be successful in over 40 countries.

Part of this success comes from dominating a variety of