

Strategic Parts Management at IMAFORNI INT'L S.p.A

Case Study

IMAFORNI



The Geometric Similarity Search as an effective tool for parts management at IMAFORNI INT'L S.p.A.

Founded in 1962 in Verona, IMAFORNI INT'L S.p.A. is today an international world leader in the production of complete lines for biscuits and crackers. The company is active in 83 countries with more than 1,000 biscuit and cracker oven lines installed worldwide.

Passion, innovation and reliability are today, as in the past, the basic ingredients of the winning recipe of Imaforni. Thanks to the constant attention to the most innovative technologies, the company can offer high quality products in terms of health and safety with the new versions of machinery of stainless steel structures.

Initial situation at Imaforni

Imaforni's product is extremely sophisticated, with a high level of technology and engineering, where the first requirement is to achieve the best in performance and reliability.

Before starting the co-operation with CADENAS, no specific system was used at Imaforni to handle the nearly 120,000 standard and supplier parts used in the production of the industrial ovens.

In 2012 the company decided to start a project of geometric search with two main targets: to avoid the proliferation of multiple parts and to optimize the reuse rate of parts in the PLM system.



>> One of the basic selection criteria during our search for the best solution was the necessity to find a tool that could be integrated with both our 3D CAD systems used within the company.

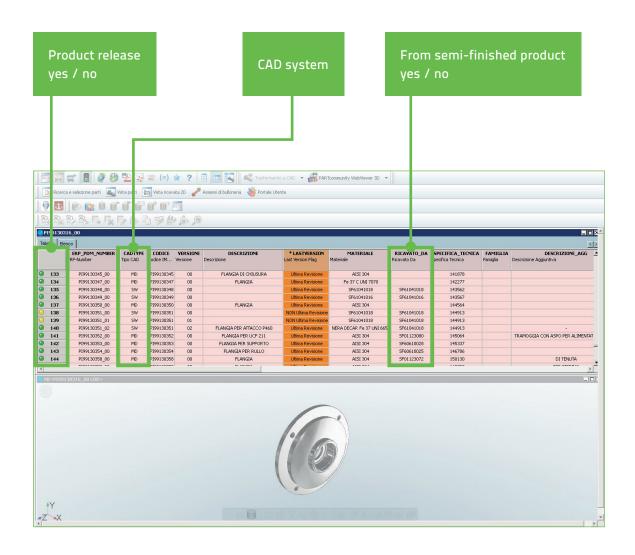
Valter Venturelli

Chief Information Officer at IMAFORNI Int'l S.p.A.

One solution for all company departments

The Strategic Parts Management PARTsolutions by CADENAS met this requirement and it is now installed on approx. 50 work stations at Imaforni. "The search functions offered by CADENAS' software solutions are used in the technical, production and purchasing departments for 3D geometrical searching during the engineering phase and the geometrical comparison between similar parts or different releases of the same part number", says Venturelli. This is required to avoid the introduction of similar or duplicate part copies and improves the reuse of parts already released within the company.

The integration of the Strategic Parts Management PARTsolutions by CADENAS, with the existing PLM system used at Imaforni, was possible thanks to the implementation of processes which import parts during the night that have been released to the PLM system during the day. A check of all the parts verifies the presence of any duplicate copies within the imported components. This allows engineers to be offered alternatives for their possible use and also to avoid the creation of parts already existing in the database.



The benefits

One of the greatest benefits resulting from the installation of the Strategic Parts Management PARTsolutions at Imaforni is that "it is possible to optimize the management of the components already existing in the company system. Furthermore, the internal production and purchasing processes have been improved thanks to the Geometric Similarity Search, which has simplified the check procedure to verify the geometric differences between various versions of the parts", says Venturelli.

With reference to the possible parts reduction resulting from the implementation of the parts management system PARTsolutions within the company, Venturelli explains that "it is difficult to verify this currently because the typology of products have a high rate of personalization. Certainly during these months we have reused a lot of existing parts, avoiding the creation of new codes to handle."



An effective co-operation also for the future

In the near future, the co-operation between Imaforni and CADENAS will continue with the integration of the software solution PARTsolutions with the PLM system, to allow the management of the internal commercial codes and to support the activity of the Standardization department at Imaforni.

>> ...the production and purchasing internal processes have been improved thanks to the Geometric Similarity Search, which has simplified the check procedure to verify the geometric differences between the various versions of the parts. <<

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Chief Information Officer at IMAFORNI Int'l S.p.A.

Company Profile

IMAFORNI INT'L S.p.A.

Founded in 1962 in Verona, IMAFORNI INT'L S.p.A., is a leading company in the production of machines and equipment for the baking industry.

Many things have changed since 1962, starting with the technical knowledge, the innovation in technology and the growing experience in the market, which have brought the company to worldwide leadership in the production of industrial ovens for crackers and biscuits while maintaining the same the corporate values. Passion, innovation and reliability are now as then the basic ingredients of Imaforni's winning recipe.

Imaforni is present in 83 countries worldwide and offers a wide range of technologically advanced products to a market that increasingly demands the highest efficiency with low energy consumption.

For further information about the company, please visit the website:

www.imaforni.com



CADENAS

CADENAS is a leading software developer in the areas of Strategic Parts Management and parts reduction (PART-solutions), as well as Electronic Product Catalogs (eCATALOGsolutions). Included are also the numerous innovative search functions, like the Geometric Similarity Search GEOsearch, which is offered as alternative or supplement to the traditionally classified parts master under the term of intelligent finding. With its customized software solutions, the company acts as a link between the component manufacturers with their products and the purchasers. In doing so, the company serves more than 10,000 customers in 40 countries.

With its 300 employees at 17 international subsidiaries, the name CADENAS (Hispanic: process chains) has been standing for success, creativity, support and process optimization since 1992.

For further information about the company, please visit the website:

www.cadenas.de/en

