

# Ronis The Eco-Design Revolution

When designing its system for locking shutters from the inside, Ronis followed the NF E 01-005 eco-design standard, a standard that the company shall gradually apply to its entire range of products.

**R**onis, specialist in tumbler locks, coin locks and handles, decided to diversify its business with a system for locking shutters from the inside. The company, which chose to follow the NF E 01-005 eco-design standard for designing this consumer product, was involved in all aspects of environmental protection, including carrying out the steps needed for ISO 14001 certification.

The NF E 01-005 standard is derived directly from the Maïeco eco-design method developed by Ensam and Cetim. It was logical, therefore, for Ronis to call on Cetim for help with this new project, which was funded by Oséo as part of the European Remake programme.

## Gains of between 40 to 50%

"Their help proved invaluable for learning how to use the standard", explains Laurent Lambinet, head of the design department. "We succeeded in going beyond the strict

*framework of the product and addressed material flows, the process, packaging and recycling. Our different skills, resources and industrial culture were all involved in the eco-design measures, and our end product is very different from what we had initially imagined."*

In fact, the number of components used in the product was cut in half, with some parts being designed in stainless steel, thereby eliminating the surface treatment stage. Laser cutting was preferred to punching to reduce the consumption of materials. Finally, the question of the product's end-of-life meant that the company had to undergo a "cultural revolution". Crimping has been consigned to the past: the new product can be completely disassembled so that the materials can be separated



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during recycling, resulting in a lower environmental impact and gains of between 40 and 50% on the cost of the initial investment.

Ronis now envisages gradually applying its newfound knowledge about the NF E 01-005 standard to its entire range of products.

## OUR CUSTOMER

**Corporate Name**  
Ronis

**Turnover**  
EUR 15.3 million

**Workforce**  
184

**Area of Activity**  
Locking devices, metal and office furniture, electrical equipment, mailboxes, latches, automobile accessories, etc.

## Cetim's asset



Cetim lies behind and is the guarantor of the Maïeco method. The centre also makes a variety of eco-design tools available to SMEs and helps integrate them into their ISO 14001 process.