

Korg Italy

Electronic Musical Instruments



KORG ITALY, a subsidiary of the Japanese Korg corporation, was established in 1995 to handle the design and production of electronic musical instruments and, in particular, of high-end digital pianos and electronic arranger keyboards.

The decision to locate the Italian facility in Osimo was prompted by the area's tradition in the manufacture of electronic musical instruments such as the famous console organ, a forerunner of today's digital keyboards.

"Korg Italy operates independently under the Korg brand name, with its own dedicated Research and Development department that handles not just the electronic and musical part, but also all other aspects of product design, including the mechanics, hardware, industrial design and everything else that goes into a new product," says Jürgen Schmitz, co-founder and R&D manager.

DESIGNING OBJECTS WITH INTERNAL MECHANISMS

Korg produces objects that have an internal mechanism. Often, the engineers will require alterations to the industrial design if, for example, they discover that an electrical component is of a different size than that originally envisaged. Making changes to the design at an advanced stage in the product development cycle can incur considerable costs.

"Once an initial design has been finalized, we often have to repeatedly modify it to accommodate changes to internal components, such as a printed circuit board that is larger than anticipated, and so on," explains Head of Design Paolo Capeci. "When this happens, we cannot afford to dismantle the entire original design."

KORG

INDUSTRY

Electronics, Musical Instruments

CHALLENGE

Create high-end digital pianos and electronic keyboards that accommodate the circuits and mechanisms required to for great performance with style and elegance.

SOLUTION

Adapt to the internal component design modifications that occur during the product development process using solidThinking Evolve.

RESULTS

- Fast adaptation of an initial design in Evolve to accommodate a change to an engineered part.
- Use of the ConstructionTree to explore more design alternatives.
- Increased design productivity.
- The additional use of Evolve for packaging and case design.
- Beautiful musical instruments that are exhibited at Salone del Mobile in Milan.

MANAGING MODIFICATIONS

"For those of us who make objects containing mechanisms, the Construction History feature of Evolve is invaluable", continues Capeci.

"Evolve allows us to manage the frequent design modifications that occur during the product development process. In this way, we maintain full control over the project through all its stages, from concept development to the construction of the mold."

"Thanks to Evolve, Korg Italy has achieved a substantial increase in the design department productivity and the possibility to evaluate more alternatives."

"Not just the musical instruments, but also the cases and packaging are developed with solidThinking."

QUALITY AND STYLE

"Even more important than having improved our productivity, is the improvement in quality that we have achieved. Today we exhibit our products at the Salone del Mobile in Milan: from simple musical instruments, they have become design objects that are pleasing and stimulating even to nonmusicians."

Korg is reinventing the universe of digital instruments by creating objects that can fit stylishly into a living space.

Today, Korg is no longer viewed just as a maker of musical instruments, but also as a creator of innovatively designed objects.



ABOUT KORG ITALY

Korg Italy, a subsidiary of the Japanese Korg corporation. Korg is recognized as one of the most innovative manufacturers of electronic musical instruments and accessories in the world. With its headquarters based in Tokyo, Japan, Korg maintains a network of distributors operating in countries around the world.

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