

Overview

Medeco High Security Locks began in 1968 with the invention of a unique locking principle using angled key cuts and the elevation and rotation of special pin tumblers to provide millions of different key combinations. This invention produced a cylinder that was highly resistant to virtually all forms of attack, and created an unrivaled level of security. The angled cuts on the key and the cylinder design were so unique that a utility patent was issued. That patent protected the Medeco cylinder and the key so no other manufacturer could produce them. The principle of exclusive manufacturing rights over key blanks was successfully defended in court many times over, setting the basis for an entirely new kind of key control.



In 1985, Medeco introduced a new design of high security lock with the invention of the Biaxial® Locking System. Like the original, the Biaxial system uses a patent on the key and the cylinder to provide proven protection against the unauthorized manufacture and duplication of key blanks. Additionally the Biaxial system is able to provide even greater master keying capability and utilizes hardened steel inserts to defend against virtually any form of physical attack.

In 2003, Medeco introduced the new Medeco³® locking system. Building on the success of the Original and Biaxial design, Medeco³ offers a new patented system, and an increased level of security through the use of three distinct locking points. This design provides a heightened resistance to physical attack and raises the number of unique codes available for master key systems. Additionally, the Medeco³ key design allows for a thicker, stronger key, while still offering the highest level of protection against unauthorized duplication.

Medeco locks are manufactured out of a facility in Salem, Virginia, employing approximately 400 people. The production employees are set up into different teams based on product type. This system cross-trains workers beginning with raw materials and ending with the production of a final product, assuring a high quality product, produced in the shortest length of time. Medeco is certified ISO 9001.

With experienced product designers, engineers, machinists and toolmakers, Medeco is capable of assisting with the design of custom products and providing rapid prototyping to assure proper fit into any application. Medeco's commitment to custom manufacturing has resulted in a division devoted exclusively to supporting OEM's and special market applications: the Industrial Security Division.

The Industrial Security Division of Medeco provides market specific applications to industries such as vending, parking, gaming and pay telephone. The division is also responsible for a wide range of markets scattered throughout a diverse OEM customer base. Medeco locks are currently used on ATM machines, club lockers, utility cabinets, safes and transit collection systems, just to name a few. If your project requires a special application lock not listed in this catalog, contact Medeco directly at 1-888-633-3261 for a custom quote.