

## RACING LEGENDS

### **Reuge, creating emotion and music from the inanimate**

Based in Sainte-Croix (Switzerland) with more than 155 years of expertise, REUGE is positioned as the world leading producer of music boxes in the world today. The Brand creates musical automatons that are technically, acoustically and aesthetically superlative. Combining the motion of an automaton with an exquisite sonority offers an unparalleled experience of the senses – and to trigger this emotion is the brand’s quest.

Forward-thinking and innovation define REUGE just as much as its respect for traditional craftsmanship. The Brand relentlessly seeks new materials, original themes, and ground-breaking acoustics, making way for the beautiful contemporary music boxes of the 21st century. REUGE’s ability to transform inanimate metal into emotion continues to enthrall those who seek a true work of art, reaching beyond fleeting trends.

### **« Racing Legends » Automaton - a tribute to F1 history**

By presenting “Racing Legends”, REUGE pays tribute to eight decades of Formula 1 and the dazzling innovations that have marked this discipline since 1950. The brand selected five of the most iconic F1 cars over time and placed them next to each other on the starting line, like an anachronistic race of legends that every F1 lover would dream of.

The “Racing Legends” automaton is both an animated spectacle and an acoustic experience, combining the gripping motion of a race for victory with the pure resonance of music. It’s a journey through time that traces the evolution of the automobile from the sleek purity of the first race vehicles to the technical prowess of today’s F1 cars.

### **Five emblematic cars**

REUGE chose five legendary cars, each corresponding to a key era of Formula 1. Evocative of the beginnings of F1, the red Alfa Romeo 158 represents the 1950s. The following decade is symbolized by the yellow and green Lotus 25, the car that dominated the racecourse at that time. The 1970s are embodied by the Tyrrell P34 in blue. Then the red and white McLaren MP4/4 stands for the 1980s, evoking the relentless rivalry between Ayrton Senna and Alain Prost with the Williams team. Finally, the silver Mercedes is the symbol of F1 today, an era marked by hi-tech, technical prowess and speed records.

The making of these five emblematic cars involves the process of casting. First, the craftsman creates the design of the car and prints a wax model in 3D. He then makes the plaster mould, in other words, the hollow cavity that results from enclosing the wax model into plaster. The craftsman refines the smallest

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CRAFTING MUSIC, MOTION AND EMOTION

details by hand. The final car comes to life when liquid silver is poured into the mould, thus reproducing the exact shape that the craftsman had envisioned in the first place. The Racing Legends are a 1/150 scale reproduction of their original models. They shine of a thousand fires on the circuit thanks to REUGE's craftsmen who meticulously polished each small surface.

## Aesthetics and Decoration

Every single decoration detail is directly inspired by the Formula 1 universe. Racing Legends ensures an immersion into the racing world at the first glimpse. The automaton is bordered by four columns in carbon, which support glass panels. Thus the movements accounting for the automaton as well as the sound are sublimated, in full view of the observer. The case is decorated by a refined carbon sail, patterned with the F1 flag, bearing slight curves as though the flag were really stretched across the automaton. Each car pad is matched in colour to the race car it supports, according to the era of the latter. The activation buttons in aluminium are inspired by the controls on the steering wheel of a Formula 1 car. The Racing Legends are racing against each other in a circuit where the angles of the case are represented like vibrators, hand painted in red and white. The five cars are the only items that stand above the glass: they levitate without touching it thanks to an ingenious magnetised system. The players are invited to scan a QR code printed on the small magnets of each vehicle to discover more about the car of their choice. They are directed to a special secret webpage describing each Formula 1 in a specific decade with many anecdotes and in-house secrets: <https://racing.reuge.com/>

Every single element of the Racing Legends, whether technical or decorative, was made entirely by hand by the craftsmen of the REUGE Manufacture in Sainte-Croix with outstanding quality and artisan expertise.

## True emotions are unforeseeable

Upon activation of a discreet launch button, the five cars are set into motion. The race starts and bets are cast among the players but no one knows its outcome yet because a different car wins each time. Behind this apparent game of chance, there's an incredibly intricate mechanism bearing a set of cams that engage with one of the five cars on a random basis. The true ingeniousness of the Manufacture of REUGE consisted in creating Racing Legends with a sense of unpredictability so as to give its viewers and the F1 lovers the thrill of never knowing how the race will end.

Mechanically, REUGE makes this possible by putting the five racetracks in contact with a device called "the Random" (in French: l'aléatoire). When it interacts with the cams, the tilt angle of the five levers is randomly modified, thus changing the speed of the vehicles. The Random device moves back and engages again, interacting with the cams several times per race. This keeps the suspense of victory intact until the end - just like a real Formula 1 race. When the last car has crossed the finish line, it flawlessly

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CRAFTING MUSIC, MOTION AND EMOTION

activates the musical automaton. The timing of this interaction is perfect so that movement and sonority are impeccably orchestrated.

The mechanical and musical mechanisms of this automaton took months to conceive and just the assembly takes one full week of work by a craftsman. It encloses more than 2'200 components which interact flawlessly together, bringing the automaton to life. Each stage of conception or assembly requires a precision which is testament to REUGE's unique know-how. The mechanism of the automaton is linked to the object's second mechanism accounting for musicality.

## **Conveying emotion through music**

The race occurs without music so as to enhance the beautiful sound of the mechanism, somewhat evocative of a motor. As the cars cross the finish line, the Crown of Bay Leaves, a wreath of victory in silver and 18K gold plated finish, is hoisted above the automaton as the incomparable REUGE musicality rises from the mechanism. The "Formula 1 Theme" melody, used as the celebratory anthem in the original Formula 1 races is reproduced with a panache that only REUGE can master. The in-house movement SH 3.144 was fully assembled by hand. It generates its tune thanks to a 144-note keyboard animated by a rotating cylinder. The keyboard is a unique REUGE alloy called the "tuned comb" and it is hand-tuned by an artisan, tooth by tooth. The cylinder, on the other hand, bears more than 1'400 pins. Each of these pins is a steel wire, as fine as a hair, that is carefully set in the tiny holes drilled beforehand into the cylinder. The process is called "pinning" and it ends with a craftsman behind a magnifying glass, checking the arrangement, position and alignment of each pin. The craftsman then tunes the comb until its vibration is perfect, for he knows that this is the secret to a pure, unmitigated sound.

"Racing Legends" embodies REUGE's creativity and know-how. The automaton brings an epic race back to life; the music consecrates the victory. Behind the Brand's mystical quest for a genuine sonority and a creative motion, lies a desire to transcend an experience. Music and movement are a sensory engagement: when played right, when timed just so, they have the power to take us on a journey through time so that we relive emotions we thought were hidden.

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## Technical Specifications

### Limited Edition

- Racing Legends : Formula 1 Race musical and sound automaton
- Limited Edition of 20 pieces : customized and numbered plate, painted in red & black
- Music : Formula 1 Theme

### Automaton

- More than 2'200 components in the mechanism
- 5 set of cams that engage the 5 chains of 67 cm each on which the cars move with a random speed
- 45 second races
- Mechanism selector to choose both music and automaton
- 2 winders, angles and winding lever in aluminum eloxyated in black : 1 for the automaton and 1 for the musical movement
- Start automaton pusher covered by a safety hatch eloxyated in red
- Mounted on a resonance base in Epicea

### Musical Movement

- One cylinder playing one melody
- In-house movement (SH 3.144) produced and assembled by hand
- 1'400 pins on the cylinder and 144-Note comb
- Manual and individual tuning of musical comb, nickel plated finish
- Approximately 35 seconds per tune
- 41 minutes of power reserve

### Casing & Decoration

- 5 cars in silver from 5 different periods of the XX & XXI century
- car pads with magnets painted in the specific color of the period of the car
- 1 victory crown, silver and 18k gold plated finish
- Carbon columns
- Hand painted angles in red & white like vibrators
- Polished Glass Panels
- Carbon sails in drapery Formula 1 pattern

### Dimensions:

- Weight : 10 kg
- Height : 13 cm
- Length: 42 cm
- Width : 32 cm

