



ACADÉMIE HORLOGÈRE DES

CRÉATEURS INDÉPENDANTS



Svend Andersen



Soren Andersen



Felix Baumgartner



Aaron Becsei



Robert Bray



Konstantin Chaykin



Nicolas Delaloye



Philippe Dufour



Miki Eleta



Paul Gerber



Beat Haldimann



Vianney Halter



François-Paul Journe



Frank Jutzi



Christiaan van der Klaauw

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Philippe Wurtz
President

In the year 2010, the AHCI was awarded the »Prix Spécial du Jury« of the »Grand Prix d'Horlogerie de Genève.« Twenty-five years after its founding, the AHCI received this prize in recognition of its significant role in preserving and reinvigorating the European watch and clock making industry.

Svend Andersen and Vincent Calabrese founded the Académie Horlogère des Créateurs Indépendants as an association of excellent watch and clock makers resisting the wave of quartz watches and clocks that threatened to wash away the art of mechanical watch and clock making. Their vision has always been to revitalize and continue classical watch and clock making at its highest level. Over the course of years, other artists have joined them, so that the Académie boasts over 30 members today. These members add their crafting skill and creative artistry to a long tradition to produce new creations.

Now the first generation of AHCI members is on the brink of retirement. At the same time, new talented watch and clock makers are constantly enriching the group with their enthusiasm.

Much has changed for the artists of the AHCI in the quarter century since its founding. Watches and clocks are no longer produced as they once were. Even the boldest of visionaries could never have dreamed of the new construction aids, tools, materials and processes that are now available to even the smallest of watch and clock making enterprises. While remaining true to our goal of perpetuating the traditional art of watch and clock making, we by no means reject these new helps. On the contrary, we use them to create ever more exact, complex and interesting watches and clocks. It can be said that we harness these processes and materials to serve our art. Of course, they can never replace the crafting skill and signature creativity of each watch and clock maker.

As an *Académie*, we want to pass along our knowledge and skills. We are *Créateurs* because our creative spirit is reflected in our works. *Indépendants* means that every member joins us as an independent, individual person.

This brochure is intended to provide you with a small glimpse into the wide variety of our creations. If successful, it has created in you a desire to find out more about the AHCI.

Yours in dedication to watch and clock making at its best,

Philippe Wurtz
President

»Watchmaker of the impossible«

With a passion for world time clocks



» 1884«



Svend Andersen

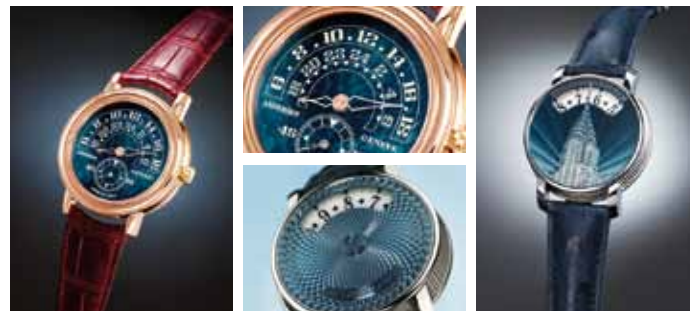
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Svend Andersen was born in Denmark in 1942. After obtaining his diploma from the Danish School of Watchmaking, he went to Switzerland in 1963 to find out for himself how the world's finest watches were made. He worked first for Gübelin in Lucerne and Geneva.

In 1969, he created his first **»bottle clock«**. This unusual timepiece found worldwide attention and earned him the reputation as the **»watchmaker of the impossible«**.

This clock attracted the attention of the Patek-Philippe company. In 1969 they recruited Svend Andersen for their **»Atelier de complications«**. He remained with the company for nine years and worked on complicated watches designed to satisfy the highest criteria.

GRANDE JOUR ET NUIT



MONTRE À TACT

Use of blue gold in horology, exclusive in Andersen Geneve watches.

In 1979, he opened his own watchmaking workshop. Here, a great number of precious timepieces were created, including the world's smallest calendar watch which won its place in the Guinness Book of Records in 1989. The **»Eros«** a wristwatch with a sophisticated set of artistic made automaton figures in a solid gold case with a classical aspect. A world success, since ten years, and still popular today. To mention also several different models of world time watches, Andersen's greatest passion, including the **»Mundus«**, the flattest ever world time watch, just 4.2 mm thick, in a water-resistant platinum case with two sapphire crystals.

Since his early days, Svend Andersen has also made over one hundred unique timepieces, generally at the request of passionate watch collectors and connoisseurs.



Always new creation

The first Lady's
Montre à Tact »REGINA«

Week's Day
»QUITIDIANA«



Conservator – innovator – antiquarian horologist

A passion for astronomy



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Planetarium 1680, Replica

Søren Andersen was born in 1949 in Copenhagen. Having learned the trade of watchmaker (1974, bronze medal), he studied restoration of old clocks with the renowned specialists Ronald A. Lee and Dan Parkes in London. In 1979 he qualified as a museum conservator at the Royal Danish Academy of Fine Arts in Copenhagen.

Since 1976, Søren Andersen has been an independent antiquarian horologist. **atelier ANDERSEN** is specialized in the **restoration** of historical mechanical clocks and scientific instruments of the highest quality. Among his clients you'll find the royal family, science museums and collections of cultural history as well as private persons.

At his first exhibition with the AHCI in 1990 Søren Andersen displayed replicas and reconstructions of the historic instruments of the astronomer Ole Rømer. For the outstanding craftsmanship of the Planetarium, Eclipsarium, Jovilabium and Machina Planetarum he was rewarded with the Tycho Brahe medal in silver in 1991.



Sphaera Copernicana 1657

The restoration of the Jens Olsen World Clock in the City Hall of Copenhagen lasted from 1995 to 1997. The 15.448 individual parts were subjected to a close scrutiny. Søren Andersen solved the serious friction problem in an unconventional way by installing 470 ball bearings, which remain invisible to the visitors of the old clock.

The restoration of **Sphaera Copernicana** (1657) of Gottorf Castle, now at Frederiksborg Castle (1999-2001) demanded great mechanical skill and experience. The most difficult task proved to be the reconstruction of a lost, only 7 cm high Tellurium, the sole reference being a few blurred photos from the museum archive.

For his merits in the field of communicating astronomy to the public Søren Andersen was awarded the Tycho Brahe medal in gold in 2002.

For the last two years Søren Andersen has been dedicated to the restoration of the collection of chronometers and regulators from Østervold Observatory, University of Copenhagen.



Highlight

The portable miniature table clock in silver and ivory was specially designed for Queen Margrethe II and Prince Henrik in honour of their silver wedding anniversary in 1992.

URWERK

Invent and craft the complications of tomorrow



UR-110 Titanium

Twin turbines (back of the case)

Felix Baumgartner

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For a watch brand with a well-deserved reputation for their innovative avant-garde timepieces, URWERK's co-founder and master watchmaker, **Felix Baumgartner**, has his roots firmly planted in traditional horology. Both Baumgartner's father and grand-father were well-respected watchmakers and the family home was filled with the wonderful sound of the tick-tocking of hundreds of fine timepieces. As Baumgartner relates, »The passion for the intricate and complex mechanisms my father and grand-father strove to perfect was passed on down to me.«

Rather than taking the safe path of working for a large brand after completing his watchmaking training, the talented and fiercely independent young Baumgartner followed his own path. Teaming up with his brother Thomas and cutting-edge designer Marti Frei, the trio founded URWERK in 1997. Their aim: to create today's timepieces; contemporary horology preserving the hand-made crafts of traditional watchmaking while allowing full-expression to their appreciation of futuristic technologies and modern art.



UR-202 AITiN

UR-202 AITiN back side

URWERK
BAUMGARTNER & FREI GENEVE

UR-202

The completely unique and innovative complications of this incredible timepiece are the result of years of research, experimentation, prototyping and testing.

UR-110

From the base of its unusual asymmetrical case to the three arrow-shaped »torpedoes« flying in formation with the mission of indicating the time, the UR-110 is a watch with attitude.

On the dial side we have the time indication displayed using telescopic minute hands extending and retracting through the middle of the revolving hour satellites.

Enveloped in a secure titanium case, planetary gearing keeps the three hour satellites in parallel formation as they take turns to indicate the time as they pass the 60-minute track. This new complication is made possible thanks to a construction with three levels of complexity

The minute hands follow the exact lines of the angular minute markers over 120°. The UR-202 is also the world's first watch with the winding rate regulated by fluid dynamics. With the UR-202, URWERK have taken the traditional idea of using air friction and refined it to control the rate of automatic winding. The traditional rotating vanes of the past have been replaced by cutting-edge miniature twin turbines – miniature air compressors – which can be seen spinning on the back of the watch.

- A central carousel providing the complication with stability and equilibrium
- Planetary gearing assuring the parallel rotation of the three hour satellites as they orbit the dial
- Three counter-rotating hour modules – each comprising an hour satellite, minute hand and counter balance – are each mounted on a planetary gear.

The UR-202 has launched URWERK's profile into space in the same way as their timepieces launch haute horlogerie into the 21st century.

Following the traditions, making unique solutions

3 generations of watchmaking knowledge in the hands of an artist-engineer



Aaron Becsei

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Aaron Becsei was born in Budapest in 1979. He is the 3rd generation of a watchmaking dynasty, and grew up surrounded by watches. After secondary school he graduated from the Watchmakers program. In order to develop himself as a watchmaker and to get the necessary practical experiences he started to work on watch repairs with his father. To have a deeper engineering knowledge he went to the School of Technical Sciences of Budapest in the faculty of CAD/CAM design. Aaron Becsei's graduation thesis paper on his Tourbillon watch was honored by the Chamber of Engineering in Budapest.

In 2003 he finished his first clock. This Miniature Double Pendule Zappler was fully his design and made by hand. After one and a half years of work his first Tourbillon clock was finished. In 2005 with his Tourbillon No. 1 clock Aaron Becsei was granted admission to the AHCI as a candidate and in 2007 he showcased these two clocks: the Tourbillon No. 1. and the Miniature Zappler at Baselworld 2007.



PRIMUS parts

3-axis tourbillon system

DIGNITAS POWER RESERVE

He founded Bexei Watches Company to provide the most valued complications of collector's watches and premium timepieces. The first Bexei wristwatch was completed in 2008. Primus is a triple axis tourbillon wrist watch with an extremely complicated and unique movement. At the Baselworld show in 2008 Aaron exhibited this unique timepiece.

In autumn of 2008 he finished the most complicated Bexei carriage clock: the Tourbillon No. 2 with a chronometer tourbillon system. Aaron Becsei developed a full perpetual calendar system: week days, date, months, leap year indication, moon phase. In addition it has hours-minutes-seconds indications; thermometer; wind up indicator and world time.

Bexei PRIMUS – THE WORLD'S UNIQUE 3-AXIAL TOURBILLON WRISTWATCH WITH JEWEL BEARINGS ONLY

His most remarkable project is the design and development of a unique tri-axial tourbillon wrist watch. The development of the first BEXEI wristwatch model took 2 years. Respecting traditional watchmaking he invented the three axis tourbillon movement without ball-bearings which is a unique solution at this size and level of complication. (Patent pending.) This wristwatch also has an incomparable engraved dial and was presented in 2008 at Baselworld.

His precision and commitment to invent and build inspired timepieces of such exceptional quality is creating a reputation as an artist to keep your eyes on in the watchmakers world.

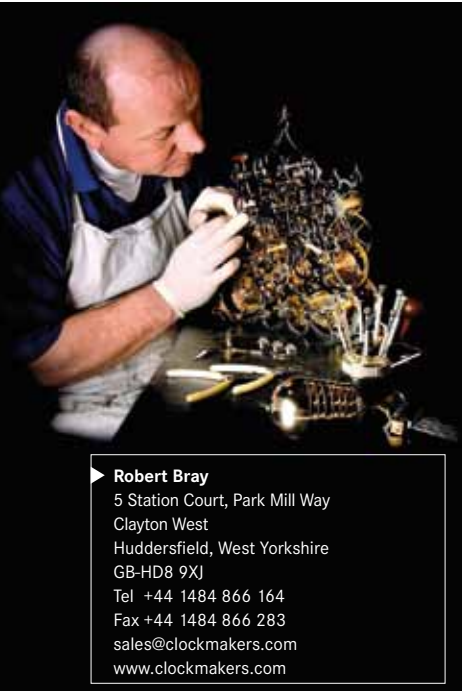


Highlight

Aaron Becsei timepieces always have special and rare complications and are made with exceptional quality and craftsmanship. Above all these unique solutions, including the engraved dials, make the owner of Bexei timepieces feel like they are wearing a piece of art.

Feeling what a good clock is like

It is Robert Bray's ambition to build the best clocks.



▶ Robert Bray

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Robert Bray, born 1956, came to clock making relatively late in life.

After leaving school at 15, he began training in a small firm that produced precision gears. In technical college he acquired enough knowledge in order to complete his studies in production engineering at Brunel University in 1979 with top honours.

By 1995 he had come into contact with all sizes and shapes of engineering in this firm: from design via production to quality control for aviation, the military and medicine.

In 1995 he decided to seek a new challenge and took over the company Sinclair Harding (Cheltenham) from the retiring founder - Mike

Harding in order to ensure that this famous brand of clocks would continue. At the same time, he began to concentrate on the art of clockmaking. In 2002 the AHCI accepted him as a candidate and three years later as a full member. In 2006 he became a Fellow of the British Horological Institute.

Philosophy

»When in the future a clockmaker takes one of our clocks apart in order to maintain it I would like him to feel what a good clock is like; then we can be sure that we did our work well.«



SINCLAIR HARDING
MAKERS OF FINE CLOCKS



MOONPHASE SEA CLOCK

Probably the most popular clock in our range of Sea clocks, the Moonphase Sea clock embodies 3 of John Harrison's basic principles used his original H1. It also provides in the Moonphase dial a representation of the competition (Lunar distance method) he faced for the solution to the Longitude problem back in the 18th Century.



Religion of Time

Enchanted by the mysteries and secrets in different cultures

Wristwatch "Decalogue Rega"
with indication of helekim and regain



► **Konstantin Chaykin**
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Konstantin Chaykin, inventor and watchmaker, lives and works in St. Petersburg. Since 2003 he has devoted his talent to design and creation of elite timepieces providing them with special features which he invented himself.

Konstantin Chaykin is an extraordinary person who combines tenacity and outstanding intellect. His talent of a watchmaker is recognized today not only in Russia but also in the world watch&clock community. Konstantin was interested in mechanics since childhood, but only at the age of 27 he embodied this curiosity for the first time in the form of fine work.

The beginning of XXI century was (and unfortunately still is) a difficult era for Russian watchmakers. Production of watch movements was stopped, large watch&clock plants were closed as unprofitable, vocational schools stopped teaching in this area. In such circumstances Konstantin Chaykin began his career as a watchmaker. Meticulously collecting any thematic information, carefully studying and preserving original technologies of

Konstantin Chaykin

Saint-Petersburg

complex movements he was able to achieve impressive results. His first victory was a table clock with tourbillon, created by hand from the first to the last detail. It is particularly noted that up to this time in Russia table clock with tourbillon had never been produced.

Working at his first clock with tourbillon maestro received invaluable experience and vast knowledge in the field of watchmaking. His ingenuity and increasing level of skill let him create such handmade masterpieces of watchmaking as the world's first movement of **the Orthodox Easter date needle indicating** (2005), **watch-mystery** with the largest number of functional jewels (1000) and hands »flying in the air« between transparent dial discs (2008), the world's first watch with indication of Jewish units of time - chelakim and regain (2010).

Enchanted by the mysteries and secrets in cultures and religions of different nations most of his time and attention Konstantin Chaykin paid to work with their calendars. Today he made significant inventions related to the application in watchmaking of Muslim religious calendar and calendar of the Orthodox holidays, his works reflect culture and faith of Jewish people. Working with religious calendars peculiarities, penetrating into the essence of sacred chronology, maestro considers his work similar to a real religion. Religion of Time...



*Astronomical clock
with muslim calendar
"Al-Biruni"*

Rousing knowledge to life

Innovative guilloche techniques, development of new materials



»Chronograph Valjoux 71.«
Red gold, case 18 carats

Nicolas Delaloye

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Nicolas Delaloye, born in 1970, attended Geneva's prestigious watch making school where he qualified as a horologist.

After that, he developed his skills and knowledge by working for some of the world famous master watchmakers of our time, in some of the best known watch making groups in Geneva.

Today, he is able to enchant and amaze us with his passion for single and unique pieces with complications, having acquired all the maturity and craftsmanship of the traditional, independent watchmaker, at the very top of his art.



The Valjoux Chronograph

The Garde-Temps men's watch

top: view of the ND01s unique movement bottom: ND01s hand graved movement

In deciding to create his own watches, Nicolas is guided by a respect for traditions and uses all of the inheritance, genius and search for perfection of his past masters. Each of his pieces is absolutely unique made of carefully and specially chosen materials, from the massive gold of the cases, the high quality of the mother of pearl for the dials, to the choice of skins for the wristlets, the engravings and guilloché made by engravers; and finally, the unique ND01 movement which beats in each of the men's 'Garde-Temps' collection.

Nicolas chooses craftsmen who share his vision, in order that centuries of a carefully built up heritage of skills and knowledge are brought together into breathing life into his new creations, and therefore continuing the outstanding tradition of the finest watch making in the world.

News

The new collection have reach a degree of maturity and new techniques of guilloché and new materials have been developed to ensure the unicity of each watches of the collection.

Delaloye
GENÈVE

Living Legend

Innovation and loyalty to traditional watchmaking



Philippe Dufour

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»Duality«

Philippe Dufour was born in 1948 in Le Sentier in the Vallée de Joux. He went to school locally and in a town of watchmakers, went into watch making himself at the technical college. He obtained, with distinction, his »Certificat d'horloger-rhableur«. He was employed locally but, very soon, his desire for broader experience saw him working with watchmakers abroad.

Back home, he then worked with several of the most famous manufacturers in the Vallée de Joux. In 1978, he set up an independent workshop. He specialised in repairing old and valuable watches, one of the most stimulating and challenging disciplines for every watchmaker.



»Grande Sonnerie with movement« / »Simplicity«

Five years later, he completed his **first Grande et Petite Sonnerie**, minute repeater pocket watch, of which he produced five further examples. This was followed in 1992, by a wristwatch version, which won the gold medal for technical innovation at the World Watch Making and Jewellery Fair in Basel. In 1996, also at the Basel Fair, he announced the **first wristwatch with double escapement**, the »Duality«.

In 2000, the craftsman of the Vallée de Joux presented a new model known as the »Simplicity«. As the name implies and in keeping with Dufour's philosophy, this is a simple straightforward timepiece: it has no complications.

Independent and perfectionist, Philippe Dufour perpetuates the creative spirit of the Vallée de Joux, the centre of complicated watch making in Switzerland. He combines his love of invention, with an unswerving loyalty to the most demanding traditional watch making methods. Modest about his own work, he nevertheless has strong views. In discussing his relationship with potential clients, his favourite word is »transparent«. »I want a transparent relationship with those who acquire my watches. I want to be able to say that this is a movement that they won't find anywhere else. I am proud to put my name on a watch. But I will only do so if it is my work inside.«



PHILIPPE DUFOUR
Horlogerie compliquée

Unique timepieces as answers to the question: what exactly is a clock?

The fascination of the eternal search for unique creations



»Pentourbillon«



Miki Eleta

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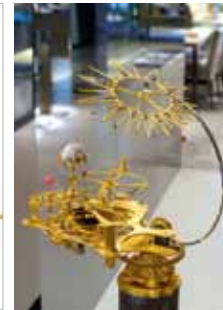
Miki Eleta was born in 1950 in Višegrad (Bosnia and Herzegovina). He has lived in Switzerland since 1973. Starting in 1996, he has mainly worked on kinetic art and clock building (exhibitions, various commissions for interior rooms and exterior areas). Since 2006 he has been presenting new timepieces at the »Baselworld« every year.

2003: Eight didactic objects for the permanent exhibition of the International Watch and Clock Museum in La Chaux-de-Fonds, which demonstrate the major stages of development of the mechanical clock, based on an idea by Dr Ludwig Oechslin, curator of the museum, by order of the well known watchmaker Mr Paul Gerber, Zurich.

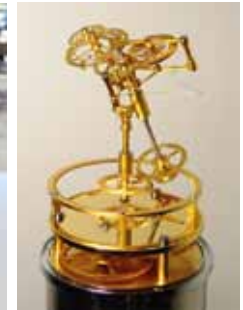
2007: participation at the exhibition ON TIME at the Zurich Museum für Gestaltung with five objects on loan.



Worldtime Watch



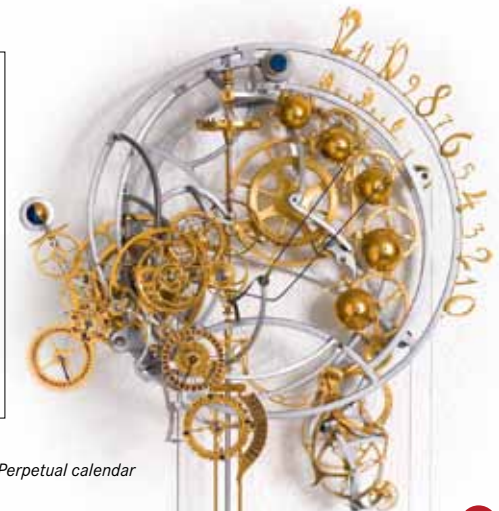
Carousel



Continuum mobile

»A precise interplay of handmade components aims to follow a general agreement by humanity about the measurement of time. Many great inventions have been made in clockbuilding, but who can measure all that which has not been discovered yet? The inexorable passing of time may be one of the reasons I only manufacture unique timepieces. Indeed who wouldn't like to exhaust as many possibilities and discover as much as possible? Just like in my past life as a kinetic artist, I would like to arouse the curiosity of observers and to hear their questions about my creations. I see a clock as much more than just a timepiece. Through its form, it can pass on something of what I experienced when creating it. It is the joy of precise movements, of sounds, of harmonic forms, and of the inexhaustible possibilities to answer one main question: what exactly is a clock?«

»For me, constructing a clock is a playful and fascinating experiment. In order to give the as yet undiscovered element a chance to come to life. I try to surprise myself without worrying about failure.«
Miki Eleta



Perpetual calendar

Playing with the (Im-) Possible

Paul Gerber's own slogan »Impossible? Not with me!«



Model 33 with 3-dimensional moon



► Paul Gerber

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Every once in a while the Zurich-based watchmaker Paul Gerber creates a sensation with new complicated mechanisms, not only for his own watches, but also for the most famous watch brands. He considers it an extraordinary challenge to implement mechanisms where there is literally no space.

Watchmaking means much more to the creative horologist than only constructing watches and movements on the computer. Hands-on manufacturing of a comprehensive range of artisanal masterpieces is an inextricable aspect of his work. The spectrum covers a wooden complicated miniature wall clock, wristwatches with retrograde seconds, an unique escapement with diverging forces and finally a flying tourbillon and further complications, incorporated into an already highly elaborate Grande Sonnerie movement by Louis Ellysée Piguet.



Paul Gerber Escapement
This novel escapement operates exclusively on the principle of diverging forces.

A specialty amongst Paul Gerber's creations are automatic watches driven by multiple rotors that have overlapping radii but never actually touch each other. The début marked the Retro Twin in 2001 with a double rotor. In 2010 he excelled himself with two watches featuring triple rotors: The Calibre 41, a manufactory movement with 100 hours of power reserve, and the Calibre 42, designed for sports watches and built upon an ETA movement. It is designed for tough use and testifies for the robustness of his 'rotating ideas'.

This Œuvre not only thrills the watch connoisseurs all over the world, it also attracts interest of the professional circles: he has already been mentioned twice in the Guinness Book of Records. But without any doubt, the culmination of the recognition came with the renowned Prix Gaïa in 2007, honouring Paul Gerber as one of the most gifted and skilled contemporary watchmakers.

Paul Gerber
Zürich



Model 41
manufactory movement
with 3 rotors



Model 41 (rose gold)



Model 41 (stainless steel)

Celebrating the passing of time and discovering the tiny world of interacting wheels, levers and springs is indeed a true delight. According to Paul Gerber's own slogan »Impossible? Not with me!« one can safely assume that many dreams will turn into reality. For sure, this innovative, but always humble watchmaker abounds in ideas for the future!

Individual and unique pieces

Art Horology since 1642



»H 2 RESONANCE«



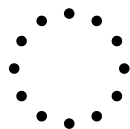
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When I close my eyes I can still see him in front of me – the master horologist who introduced me to the art of clock and watchmaking.

His magnifying glass, hands, and white coat are still today, vivid memories.

He owned a wonderful workshop where I spent my apprenticeship years as a clock and watch repairer, learning how to restore new and old masterpieces.



HALDIMANN



»H 1«

Among this magnificent blend of art and technology, combining craftsmanship and intellect, I soon developed the ambition to create such masterpieces myself.

Design, construction, and production are all executed in our own workshop, which enables us to combine art, technology and quality at the highest level.

Haldimann clocks and watches are all individual and unique pieces. We can therefore consider all your ideas and suggestions when creating your very own watch.

All Haldimann timepieces made since 1642 are originals and have engraved consecutive numbering, giving pleasure to customers all over the world. We look forward to welcoming you personally and answering any queries at our workshop.

This double regulator is equipped with two identical and independent precision movements, each with a seconds pendulum.



»H 101 RESONANCE CLASSIC«

Inspiration and Leadership

Watches that Captain Nemo could have worn



ANTIQUA

► Vianney Halter

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In the small village of Sainte-Croix, nestled in the heart of the Swiss Jura, you will find an unpretentious building housing La Manufacture Janvier.

There, master-watchmaker Vianney Halter devotes himself to his passion. He inspires rather than leads his young, dynamic and enthusiastic team gathering watchmakers, precision-machinists and designers.

»Les Montres Vianney Halter« was born in 1998 with the presentation at the Basel Fair of a strange watch called the Antiqua.

The Antiqua with its perpetual calendar was followed by the simpler Classic and the Trio., a rectangular watch with a Grande Date complication. These watches form the collection »Futur Antérieur« characterized by a display of the various functions through riveted portholes.



These are watches that one might imagine on Captain Nemo's wrist or perhaps worn by H.G. Well's when returning from time-travel.

Other timepieces, such as the Contemporaine – a more modern looking derivation of the Antiqua – have been developed alongside the »Futur Antérieur« collection. While these do not share the same design characteristics of the Antiqua, Classic and Trio, they form the »Halter Tempus« collection.

Since 1998, not less than eight different models of luxury wristwatches bearing Vianney Halter's signature have been created.



Futur Antérieur Collection

Antiqua: Hour, Minute and Perpetual Calendar

Trio: Hour, Minute, Petite Seconde and Grande Date

Classic: Hour, Minute and Seconde

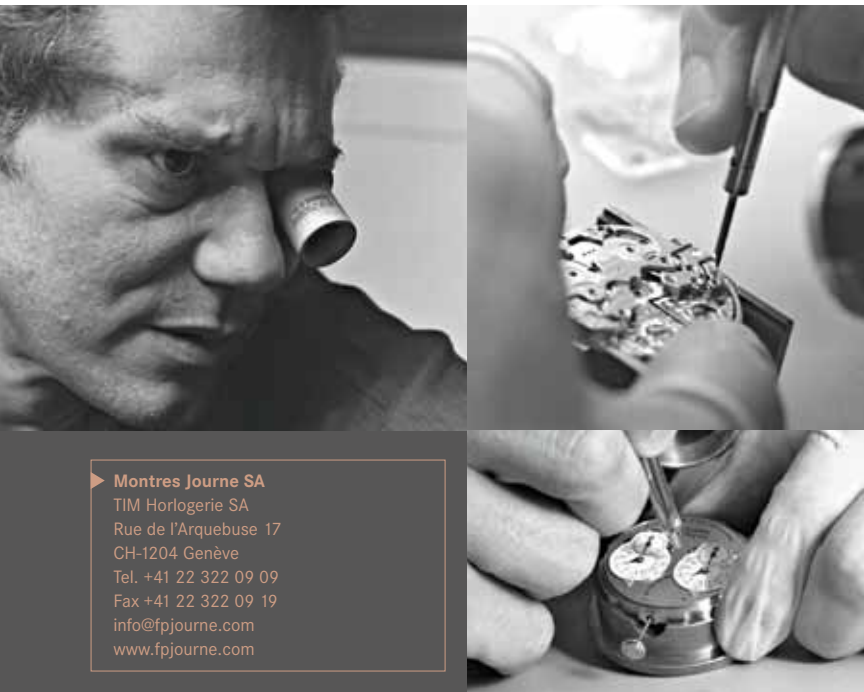
Classic Janvier: Hour, Minute, Petite Seconde, Equation of Time & Moon Cycle

Halter Tempus Collection

Contemporaine: Hour, Minute, Date, Day and Moonphase

Invenit et Fecit

Entirely invented and manufactured in house



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At the heart of the movement

I will try to explain the historical reasons that led me to build such or such a watch. As far as the resonance phenomenon is concerned, the intuition that energy is dissipated without being lost goes back to the 18th century and the research performed by the great chemist A.L. de Lavoisier (1743-1794), who stated his famous theory that is behind my modest convictions: "Nothing is lost, nothing is created, everything is transformed". With the invention of the pendulum, watchmakers noticed that their beat often interfered with their environment and it was not unusual for a pendulum clock to stop of its own accord when the pendulum entered into resonance with the driving-weight suspended from its cords. A particularly brilliant watchmaker, or »mechanical engineer« as he described himself, was the first to have the feeling that one might turn this disadvantage into an asset: Antide Janvier, born in 1751 in St. Claude, France. His idea was to build two complete movements with two precision escapements and to place them close to each other, ensuring that the two pendulums were

F.P. JOURNE

Invenit et Fecit



Caliber FPJ 1499-2 in 18k solid gold – Platinum case – Dial in gold and silver

hanging from the same construction. Just as he imagined, the pendulums recovered the energy dissipated by each other and began to beat together, thus entering into resonance.

Maintained by this wave and thus protected from outside vibrations, this principle considerably enhanced their precision. About 1780, Antide Janvier built two precision regulators, one of which is preserved at the Paul Dupuy museum in Toulouse and the second in the private collection of Montres Journe SA, Geneva. A third desk-top regulator is kept in the Patek Philippe Museum in Geneva. Thirty years later, Abraham-Louis Breguet built a resonance regulator for Louis XVII, King of France, which is now part of the collection of the Musée des Arts et Métiers in Paris, and a second for the King of England, George IV, which is housed in Buckingham Palace. He also made a pocket-watch based on the same principle for each of these illustrious figures. To my knowledge, no-one else in watchmaking took any further interest in this fascinating physical phenomenon!

The advantages of this phenomenon in terms of precision led me to pursue my own personal research and attempts which, after fifteen years, enabled me to adapt it to a wristwatch for the second model in the Souveraine collection: The new Chronomètre à Résonance commemorating the 10 year Anniversary of the emblematic timekeeper, featuring today a 24 hour indicator, was awarded »Best Grand Complication 2011« at the Grand Prix d'Horlogerie of Geneva in November 2010.



Chronomètre à Résonance 2010
The first resonance wristwatch.

Objective: sleek complications

Fascination with the extraordinary



Frank Jutzi

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Desk clock (palladium plated)

Frank Jutzi was born in Berne in 1963. In 1981, after ten years at the Rudolf Steiner School he became an apprentice watchmaker in Bern. Already in his first year of apprenticeship he started, supported by his teachers, to work on his first watch: a solar-lunar clock with a skeleton movement. After a four-year apprenticeship in 1985 Frank Jutzi opened his own workshop. A special workshop for restoring old antique clocks where, with much love for detail, antique clocks are modified and restored. On occasion he implements one of his multitudinous ideas for his own new timepieces.

In 1998 Frank Jutzi presented his grandfather clock with two months of reserve power and transparent movement for the first time at the AHCI stand. In 2000 Frank Jutzi was accepted as a member of AHCI. In 2000-2001 he built his first Tourbillon wristwatch and a prototype for a series of wristwatches with a regulator dial and a lunar phase for Goldpfeil. Various different large clocks were also designed like the triangular clock, a clock in one hand made of cast bronze, an other solar-lunar clock with minute and second hands, etc.



Wristwatch with skeleton movement. These watches are assembled in our firm and provided with individually designed ornaments. Special customer requests can also be accommodated.

Currently Frank Jutzi is working on various desk clocks with tourbillon and with a mystery Tourbillon.

Fascinated by the smallest possible mechanisms, Frank Jutzi begun on making wristwatches again. The first will be shown at th Basel fair in 2009, the second will be finished in summer.

Typical

Typical for Frank Jutzi's clocks is the clear shaping and the concept of reducing shapes to such an extent that the observer turns his eye to what is essential. The first watches were skeleton watches where the movements of the wheels were openly shown. Later the shape became more important, the works were built into the shape of the casing. Now, Jutzi is »playing« with the mechanisms and letting them peek out of the hidden works. He is building small secrets into his clocks. Since Frank Jutzi only makes his timepieces by hand and in small series they are sought after collector's items from the very beginning.



Triangular clock with lateral pendulum and triangular works. Brass casing



Master of complex astronomic watches

Master of complex astronomic watches Technology of large clocks adapted to the microcosm of the wristwatch



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CK RETRO MOON CKRT1144

The Netherlands has an age-old tradition in the field of traditionally-made timepieces. The traditional techniques are passed on from generation to generation. These technical skills are combined with great creativity. The Dutch province of Friesland is famous for the technically-ingenious and stunning clocks that are designed and made there. In 1974, in the picturesque Frisian village of Joure, Christiaan van der Klaauw, founder of Christiaan van der Klaauw Astronomical Watches, started designing and making exclusive hand-made astronomical timepieces. Until today, Christiaan van der Klaauw Astronomical Watches is the only atelier in the world that specialises in designing and manufacturing exclusive hand-made astronomical wristwatches. The technically extremely complicated high-quality watches are, without exception, mechanical masterpieces.

Christiaan van der Klaauw received his education at the instrument-maker school founded in 1901 by Nobel Physics prize winner Prof. Heike Kamerlingh Onnes. Some contemporaries who worked for the same



CHRISTIAAN VAN DER KLAUW®
 ASTRONOMICAL WATCHES



CK PLANETARIUM CKPT1144



CK PLANETARIUM CKPT7726



CK REAL MOON 1980 CKRL1124

laboratory were Albert Einstein, Niels Bohr, H. Lorentz and W. Röntgen. During his education, Christiaan did his apprenticeship with the oldest observatory in the world, founded in 1633. The world-famous astronomer Prof. J. H. Oort (who discovered the Planetoid belt named after him) was attached to this observatory. During his apprenticeship, Christiaan became increasingly interested in everything connected with astronomy, which showed later on in the production of his Frisian clocks, table clocks and, eventually, his watches. The well-known astronomer from Leiden, Christiaan Huygens, maker of the first Pendulum clock, inspired Christiaan van der Klaauw to design his first timepieces. The bracket clocks made early on in his career were technically very complicated and had, even at this early stage,

ingenious astronomical applications. The timepieces from this period are real collectors' items nowadays. In 1990 Christiaan van der Klaauw presented a true masterpiece: the **Planeto Astrolabium**. This clock was one of the reasons why he was asked to become a member of the Académie Horlogère des Créateurs Indépendants (AHC).



CK ASTROLABIUM CKAL7725

Every watch is a custom made unique timepiece

Manuell manufacturing after old watchmakingtradition



Christian Klings

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Tourbillon Nr. 6

Christian Klings was born 1957 in Dresden Germany. Already as a child Christian developed a keen interest, figuring out, how mechanics work. When Christian was eleven years old, his father brought him a watch-makers lathe. Since then, Christian couldn't stay away from watches anymore. With 16 years of age, he served an apprenticeship as a watchmaker with very good results. Soon after that, Christian opened his own business in antique clock and watchrestoration. 1996 he started to build his own watches with various complications.

Almost all parts, like mainplate, bridges, wheels, springs, levers, tourbilloncase, case, crown, gasgets, glasses, hands, etc, are designed and made by hand, with little grinding disc, file, polishing sticks, and the support of the lathe.



Tourbillon Nr. 7

A fascinating construction is Tourbillon Nr. 7. The flying Tourbillon, mounted into a (Rubin) ball-bearing, is visible from all directions. About 90 % of the parts are made by hand, compared with the Art of a Sculptur. The Guilloché-work of the dial, the silk looking Geneva stripes, and other decorations are his own individuell designs. For every new design, Christian build new tools, in order to do the process. The time to build this watch took approx. 2000 hours.

Custom made timepieces:

- Flying Tourbillon Nr. 1 with passing strike
- Tourbillon Nr. 4 with bridge, made out of glass
- Tourbillon Nr. 5 and 6, visible through front and back
- Flying Tourbillon Nr. 7 with flying third wheel, visible through front, back and sideways

Desmodromic: Single Impuls Chronometerhemmung für Armbanduhren.
(Zwangssteuerung)

Mosquito: Single Impuls Chronometerhemmung für Armbanduhren mit Wippe
(so klein wie eine Eintagsfliege)

These escapements require no lubrication.



back side
Tourbillon Nr. 7

Watchmaking as a passion

Selected artworks of precision, completion and harmony



»Moritz von Sachsen«

► Marco Lang

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Saxon watchmaker's art is connected for most watch lovers inseparably with the small town Glashütte. However, the fact that has these her roots in Dresden and also here still or finest watches are built again, nevertheless, is rather a confidential tip.

LANG & HEYNE produces here since already 10 years watches and clocks. From only about 30 to 40 watches leave yearly the rather aesthetically seeming workshop rooms of Master Marco Lang and his assistants.

LANG & HEYNE
DRESDEN

MANUFACTURERS OF FINE WATCHES



Remontoir Caliber V

»Workshop« and »manufacture« are here the suitable terms, because proudly is Lang on a manufacturing depth of more than ninety percent. From the construction about the production almost of all watch parts, hands, the gold- and platinum cases, the Finissage, so aesthetic and functional preparing of the raw parts and of course also assembling and fine adjusting of every watch becomes home-made here almost completely. This provides on the one hand for the highest quality of every individual part, on the other hand, however, also for the joy of the watch collectors and watchmakers of LANG & HEYNE. Watches creating and building just must be also fun.

In his artistic market niche Lang declines advertisement to a great extent, the motto »... to be convincing with achievement instead of with words« of Werner von Siemens he finds appropriately and worth to emulate it. And so will create thus the small self-confident manufacture LANG & HEYNE also during the coming years, widely unnoticed from the mainstream, a few but finest mechanical time pieces of art for the male and female wrist; elegantly and timeless without a lot of Mambo Jumbo, made, to go on the most pleasant »with the time«.



»Markgraf Heinrich«

Caliber V



Real Craftsmanship

*Manufacture of Classical and Organ
Clocks Unique in the World Today*



Matthias Naeschke

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Fax +49 (0) 7474 917473
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Matthias Naeschke is a highly skilled clockmaker, technical designer and church musician.

For twenty years Naeschke's workshop has been located in the small Hohenzollern town of Haigerloch.

With a team of three specialists, Matthias Naeschke produces small quantities of fine clocks in outstanding quality and design. Highly polished, gilded movements set the benchmark of each clock.



*Precision
clock NL 125
with gravity
escapement*

Matthias Naeschke

FEINSTE UHRMACHEREI



Heavy 100 day going table clock NT 1 »L'amour«

The range of products includes small eight day regulators, spectacular table clocks and long case precision clocks. A **four-year going long case clock** is unique.

Matthias Naeschke started his career in the early 1980's when he invented and crafted the first organ clock in 200 years. He is the **only registered organ clockmaker** in the world.

In 1999 **Sebastian Naeschke**, the next generation of Naeschke family clockmakers, joined the company. Sebastian Naeschke joined the AHCI in 2006.

Retrograde time indications

Nienaber doesn't hesitate to experience unusual time indications



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»Tri-Retrograde«

Rainer Nienaber, was born in 1955. As a toolmaker he got to know the world of precision and soon the thousandth of millimetre became his favourite dimension. After the army he began a new training as a watchmaker. A profession in which he could use his manual skills as well as his creative and constructive energy. From watch repairman he rapidly changed to watch creator. From there it was only a small step to the watch manufacturer. This is an activity where he can realise his ideas of creating and producing. His handmade precision regulators as wall or long-case clocks are now very well known and demanded by collectors.

His wristwatch regulator should be similar to these models and therefore he has built a wristwatch movement with the same dial division as this of its big brothers. Despite his love for the traditional ways of indicating



The precisely executed dials of his watches produce an exciting light and shadow effect

time Nienaber doesn't hesitate to experience with unusual time indications: first a watch with retrograde hour-hand and then the »**RetroLator**«, an unusual combination of retrograde minute-hand and exact jumping hour-hand. Nienaber has even realised a retrograde seconds-hand. The precisely executed dials of his watches produce an exciting light and shadow effect. Thus each glance at them becomes a joyful event. After completing his retrograde trio with watches that display either the hours, minutes or seconds in this manner, it seemed like a no-brainer to Nienaber to make a timepiece to include three retrograde hands.

The result – the **Tri-retrograde** – is exceptional in the world of horology.

NIENABER BÜNDE



DECIMALWATCH

The most unusual off all time indications

1 day = 10 (dezimal)hours of 100 (dezimal) mintes

Pita Barcelona - Innovation in Mechanical Watches

New paths in aesthetics and mechanics



Oceana 5000

Aniceto Jiménez Pita

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Fax +34 933 493 041
pita@pita.es
www.pita.es

After **Aniceto Jiménez Pita** had taught himself watch making he in 1971 decided to open his own workshop. For many years he repaired and collected all kinds of timepieces. In addition he trained apprentice watchmakers.

In 1990 he decided to devote his knowledge to the creation of watches. His watches are based on constant innovations. He believes that everything has not been invented yet and thus tries to make a mechanical jewel out of every watch. The **patented Pita-TSM** (time setting mechanism) proves his intention of reinventing the winding system that serves to wind up and set the watch on time. The consequence of this is the absence of the crown in all models in order to follow new paths in aesthetics and mechanics, presenting unseen watches.



Model left: »Molinos«
Our hand-less minimalistic skeleton concept watch.

Model right: »Minimal«
Less is more. The beauty of simplicity.

Model down: »Carousel«
Carousel automatic watch with 12-hour self-axis rotating movement.



He would like to see everyone getting the same enjoyment from wearing his watches that he gets from making them. For this reason he gives his customers the leeway to decide what the watch should look like: the choice lies with the dial, the strap, the casing or other details; all depending on how you like it.

Pita Oceana

The ultimate dive watch: water resistant up to 5000 meters.

Two patented systems for a water-entry free case: Pita-TSM

(Time Setting Mechanism) and Pita-RT (Remote Transmission).

No crown, no back cover, no weak points. Pita Oceana 2011 Titanium edition out in June 2011. Limited to 99 timepieces worldwide.

Reserve your Oceana at www.pita.es

Pita
barcelona

Barcelona

Master of Tourbillons

Extreme Technical Complexity – »Flying Carriages«



Triple Axis Tourbillon

Thomas Prescher Uhren GmbH

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Thomas Prescher, born in 1966 in northwestern Germany, became a captain of the German navy before making the decision to begin watchmaker education at IWC in Schaffhausen, Switzerland. He completed this one year before the scheduled end of his apprenticeship.

Completing important stations in his career such as Audemars Piguet (service department), Gübelin (restoration and creation of unique pieces), and Blancpain (director of production), he established his own company in 2002.

Prescher's products are characterized by a show of the highest horological skill. All of his watches clearly illustrate the fact that he masters the craft so thoroughly that his work has risen to a new status: art. Thus, all of his movements are hand-engraved and visible through a transparent case back.



Front view of the
Mysterious Automatic
Double Axis Tourbillon



Back view of the
Triple Axis Tourbillon



Triple Axis Tourbillon
Close up

In 2004, he introduced his Tourbillon Trilogy to the world, a set comprising three flying tourbillons containing constant force mechanisms. This sensational ensemble is made up of single axis, double axis, and triple axis tourbillons. To this point in time, no one had been able to realize a viable **triple axis tourbillon** within a portable watch. An important characteristic of Prescher's tourbillons is their extreme technical complexity illustrated by the inclusion of flying carriages outfitted with constant force mechanisms.



Tempusvivendi
»Dragon«



Tempusvivendi
»Sculptura una«



Tempusvivendi »Geisha« in
mother-of-pearl and rose gold

The watches belonging to Prescher's Tempusvivendi line are also impressive. The time on these models is displayed by figures on the dial, which go from resting position to showing the time and back—simply with the push of a button. The Sculptura Una was recently added to this line: functioning in precisely the same way, the time is shown using conventional hands instead of individual figures.

Extras

Alongside his existing collection lines, Thomas Prescher creates unique pieces and very small series for his enthusiastic clientele.

T

THOMAS PRESCHER
HAUTE HORLOGERIE

25 years of independence

A legacy of love and passion



»The Art of Tourbillon«



»3Volution II«

Wandering around the premises and noting the long hours devoted to even the tiniest details of Antoine Prezioso timepieces, one is quickly aware that production records and high turnover goals are not the prevailing rule here. Instead, the emphasis is firmly placed on ensuring the superlative quality of all products and of laying the foundations for exclusive and long-term relationships with the clientele.

These clearly established family-driven principles are indeed vividly conveyed by the atmosphere pervading the brand's two Geneva boutiques: the aptly named »Les Heures Précieuses« store on the quai des Bergues.

Antoine Prezioso

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Antoine Prezioso Technical knowledge and artistic sensitivity.

Fascinated by horology from an early age, Antoine trained at the Geneva Watchmaking School and graduated with a diploma top results in 1974 as a restorer and practicing watchmaker. After working with leading horology auctioneer Antiquorum, he opened his own workshop in Geneva and became a member of the »Cabinotiers de Genève«. He built a reputation both for his meticulous restoration and repair work, and for the creation of original and often extremely complicated watches developed for major brands. 1995 saw a milestone first presentation of his own watches at the Basel World Watch and Jewellery Show, on the booth of the Académie des Horlogers Créateurs Indépendants (AHCI). Since then, he has never looked back, with world-première introductions in terms of both exterior materials (such as the signature use of meteorite) and movements (like the revolutionary 3Volution triple-tourbillon model marking 25 year of independence).

News

The creation of the 3Volution, triple Tourbillon, is a new page in the History of Watchmaking and celebrates beautifully the 25 years of Independence of Antoine Prezioso.



»Black Rhténium«

Watches that outlive time

Contemporary designs inspired by classical watchmaking



The Marin2 'Thalassa'

► **Speake-Marin S.A.**
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Born in 1968 in Essex, England, Peter Neville-Speake originally had the intention of entering the world of jewellery but found himself instead led by the art and mechanics of watchmaking. He began his horological education at London's Hackney Technical College in 1985, then studied at WOSTEP, the prestigious Swiss watchmaking school based in Neuchâtel.

Peter soon established a watch restoration department at Somlo Antiques, in The Piccadilly Arcade, central London, having the privilege to restore original watches from great masters and manufactures in history such as Arnold, Frodsham and Nielson, original Breguets through to Patek Philippe.

He fell in love with watchmaking, a combination of history, art and mechanics. Getting married in 1996, Peter changed his name from Speake to Speake-Marin, moved back to Le Locle, Switzerland, where he worked for Renaud & Papi, helping to develop and build high-end complications as well as train young watchmakers.



In his spare time, he acquired his own machinery, entirely designed and constructed a tourbillon pocket watch with twin power trains, which was to become the »Foundation Watch«, establishing the style and philosophy that would lead his future works as well as the opening of his first independent workshop, in 2000.

Peter collaborated with prestigious companies as an independent watchmaker, designer and consultant, including Harry Winston, MB&F and »Maîtres du Temps« until the end of 2008, when he started to exclusively dedicate himself to the development of his independent Watchmaking activity. 2009 saw the release of his first fully in-house designed watch, the Marin1, an elegant timepiece powered by Speake-Marin's exclusive automatic movement, the SM2. This first fully in-house designed timepiece was, a year later, followed by the Marin2 »Thalassa«, displaying a beautifully designed manual movement, based on the SM2.

Speake-Marin's timepieces are linked to classical watchmaking. At the same time Peter's style and designs are contemporary. There exist few modern watchmakers and watch houses that have created an original style, adhered to an underlying philosophy of constant improvement, longevity, beauty and quality of product that will live beyond their own time. Peter Speake-Marin's goal is that, in years to come, he will be considered as one of them.



Speake-Marin's original Calibre SM2m

SPEAKE-MARIN

A PASSION FOR WATCHMAKING

New timepiece & collection in 2011

The Marin2 'Thalassa', a 30 piece edition, was successfully introduced at the end of 2010. A »Classic Collection«, based on the »Piccadilly« case design, is to be revealed later in the year.

Unique Watches from Sirnach

A World of Gears



► Andreas Strehler

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Papillon, the Symbiosis
of Watchmaking and Elegance

It was only one year later that Andreas Strehler brought out the watch entitled »Zwei«. It has the property of changing over its display as if it were an electronic digital display – but with a mechanism that uses differential gears to combine various displays.

The »Zwei« watch line is understatement par excellence. You could scarcely guess how much engineering effort was put into it. As simple as it seems to »simply« switch over the display, the solution of using differential gears is exquisitely intricate. It is only now, many years on, that other manufacturers are finally attempting to replicate this idea.

As a developer, Andreas Strehler has collaborated with celebrated watch manufacturers such as Chronoswiss, Maurice Lacroix, H. Moser & Cie. and Harry Winston and this work has been the wellspring of his company UhrTeil AG.

His latest creation »Papillon« forms a dazzling contrast to »Zwei«. Andreas Strehler revealed the same clockwork design in 2007 together with Harry Winston: »OPUS7«. However, instead of just presenting the displays as before, it is now the clockwork that everything centres around. It seems as if it had grown organically in a world of gears. Its curved shapes of bridges and levels spiral around the gears to culminate in a harmonic whole with its curvature.

It takes time to build a fine watch. And it takes patience and endurance to arrive at the longed-for level of perfection. Andreas Strehler manages to combine these virtues in stunning fashion. Strehler combines a sophisticated mechanism in his works with awe-inspiring design. The visible inner workings transform reading time into a unique event.

It was more than ten years ago that Andreas Strehler showcased his first creation: the perpetual table calendar. This was a combination of a table calendar and pocket watch whose interactions remind you of the »Pendule Sympathique« of Abraham Louis Breguet.



ANDREAS STREHLER
UHRMACHER

The Perfectionist

Hand made with a classic design



»OBSERVATOIRE«
Grand Prix d'Horlogerie de Genève 2007



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The Finnish watchmaker **Kari Voutilainen** was born in 1962 and has been involved in watchmaking for more than 30 years. He began his studies at the Finnish watchmaking school at Tapiola, which was followed by further training at WOSTEP in 1989.

In 1990, he began working at Parmigiani Mesure et Art du Temps, and spent 10 years there as a specialist responsible for the creation of unique pieces and the restoration of rare clocks and watches. Later he returned to WOSTEP, this time as a teacher of complications and other subjects.

In addition to such work, Kari Voutilainen was also hard at work creating a series of unique timepieces, which finally led to the founding of his own atelier in Môtier in 2002, where he also lives.



28



28



Decimal Repeater
Masterpiece 7

Artisan d'Horlogerie d'Art
VOUTILAINEN



Decimal Repeater 8



Decimal Repeater
Masterpiece 6



Decimal repeater 9
»Tantalor«

Inspired by this background and contact with great horological examples from the past, is a perfectionist. It is his aim to create timepieces that combine a classic design with an ideal technical realization that will last much longer than a lifetime.

All of these creations are made with the extensive use of **handwork** and the traditional values of the watchmaker's art. Created in limited quantities, each timepiece is individual and personal in terms of design and function, with the use of **the finest materials** available as would befit such a personal masterpiece.

For these reasons, the creations of Kari Voutilainen are certainly destined to become an integral part of watchmaking history, and a source of pleasure to watch lovers everywhere.

A Purist

Watches from the void

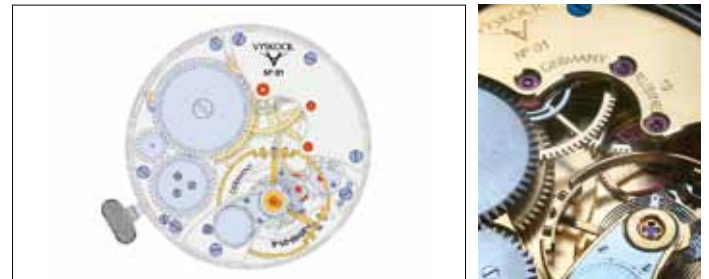


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In the beginning it is just a nebulous image. Initial orientation points are established: diameter of movement 30 mm, height of movement 4.5 mm. In this volume of 3.2 cubic centimeters ideas will be in motion for the next few weeks, months, years. It is narrow there. And each time, when a new component is put into this space, it gets even narrower. The going barrel: diameter measured over the tip of the teeth, 14.4 mm, height 2.35 mm. The balance: diameter 13.5 mm, height 1 mm. Simply these two parts that can only be positioned vis-à-vis each other because of their size draw a wall through the middle of the future watch. Sure, the components could be even smaller sized. But there are still these claims to tradition, technique and aesthetics. Added to this are new ideas. Ideas about additional functions – complications. »Time zones« – indeed, the watch has to have an hour hand that can be set



separately. And what about the minute hand? Isn't it an onerous task to have to bring it into the right position in relation to the second hand every time when setting the watch? A more elegant way has to be found... the second. Sure – the watch needs a hacking second. And that is just the beginning. It will fill pages, to describe all the following steps in the creating process of the »VA«. Too much for this brief presentation here.



An extraordinary winding mechanism:

- In the first position the hour can be adjusted in complete hour intervals.
- In the second position, the hour and minute – in minute intervals.
- In the third position the movement will be stopped.

The clou: For all actions, you don't have to »feel« the crown position. The power reserve indicator has a »double life«. It shows it...

Volker Vyskocil



It's all a question of transparency

Design of complicated escapements, power regulations and calendar switches



Tourbillon horizontal desk clock
Chronometer escapement, half-hourly striking work
Power reserve: one week



ANNUAL GRANDFATHER CLOCK: Perpetual calendar for days of the week, date and month dial

► Peter Wibmer

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For thirty years **Peter Wibmer** has made his home in the little Austrian town of Bärnkopf and for that same period of time he has been building mechanical wall clocks and desk clocks.

The major challenge for Wibmer lies in designing complicated escapements, power regulations and calendar switches.

Peter Wibmer's large clocks all have skeleton movements. He tries to implement traditional technology and artistic ideas with masterly craftsmanship.

Peter Wibmer works mainly on order. He takes up the wishes of his customers and creates a purely personal original for each one.

For twenty years Wibmer, as a member of AHCI, has been exhibiting at the Basel fair.



»ZAPPLER« handmade



»ROLLING TIME«

New

My latest works are handmade wall clocks with erotic scenes.

WIBMER UHREN

PETER WIBMER · UHRMACHERMEISTER

Fascination and Passion

for precision pendulum clocks and their special challenges

»Clockwork by BRIVE«



Philippe Wurtz

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Even as a child, the Frenchman loved anything mechanical, especially his »Meccano« metal construction set. Later, he supplemented his instinctive knowledge and experience by studying mathematics and physics in Strasbourg. Career decisions brought him to an apprenticeship as a clockmaker in Frankfurt, Germany. With his experience and education, his attention was naturally drawn to the exactness of pendulum clocks.



Philippe Wurtz



Fascination led to passion, a passion for precision pendulum clocks and their special challenges. The first prototype of his own was completed in 1989. With the unique characteristics of his GRAMAT longcase clock, Philippe Wurtz caused a small sensation in 2003. Two wall clocks, BRIVE and SARLAT, were created later.

All three models are technical marvels, exquisite mechanical sculptures that have little in common with »normal« pendulum clocks.



GRAMAT dial



GRAMAT pendulum

GRAMAT longcase clock

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