



VACHERON CONSTANTIN

Manufacture Horlogère. Genève, depuis 1755

THE VACHERON CONSTANTIN “HARMONY” COLLECTION AUTHENTIC WATCHMAKING SCULPTURE

On the occasion of the 260th anniversary of its founding, the Manufacture Vacheron Constantin unveils the seven first models of a new collection called Harmony. Issued in limited editions, these eminently contemporary timepieces feature a new cushion shape and a design inspired by one of the brand’s first wristwatch chronographs introduced in 1928. At the heart of these generous cases with their reinvented aesthetic beat new calibers – entirely designed, developed and produced in-house – focused on monopusher chronographs. A first version equipped with a split-second function sets slimmest records with its ultra-thin self-winding movement measuring just 5.20 mm thick, while a second model stages a fascinating tourbillon and the third variation is equipped – like the original – with a pulsometric scale. Representing elegant horological complications that are some of the most highly sought after and most complex to produce, the monopusher chrono-graph models are complemented by a ladies’ double-pusher chronograph. A trio of dual-time watches housing a new in-house movement rounds off this unusual range of timepieces. Like the other most recent creations from the Manufacture, these special editions bear the prestigious Hallmark of Geneva.

Founded by the youthful Genevan master-watchmaker Jean-Marc Vacheron in 1755, Vacheron Constantin is the world’s oldest watch manufacturer engaged in uninterrupted activity since its creation. On the occasion of its 260th anniversary, Vacheron Constantin is introducing the first exclusive models of a new collection. Named Harmony and featuring an entirely reinvented cushion shape, this eminently contemporary interpretation of horological excellence signed Vacheron Constantin draws inspiration from the architectural lines and distinctive design of the first wrist chronographs made by the Manufacture in the late 1920s. Through its perfectly balanced three-dimensional “shape-in-shape” approach, Vacheron Constantin once again demonstrates its expertise as a watchmaking sculptor. This is achieved through a sophisticated case construction dedicated to precision, readability and comfort on the wrist, while pervaded by a disarming apparent simplicity. Moreover, this new generous and boldly distinctive silhouette complements the existing range of round or tonneau-shaped cases characterising the classic collections by the Maison.

The reinvented cushion shape

The seven first references in the Harmony collection, presented this year in a limited anniversary edition, are dedicated to chronograph and dual-time functions through four new calibers entirely designed and developed in-house, along with an evolved version of an existing chronograph movement. This sculptural collection intended to host innovative in-house developments displays a resolutely modern design, while the generous lines of its cushion-shaped case lend themselves to accommodating medium complication and grande complication calibers.

Once again demonstrating the dual nature of its horological expertise, distinguished by the art of shapes dedicated to time measurement, Vacheron Constantin has devised an innovative construction of the cushion shape that has been part of its range for almost a century. A curved case middle, a square bezel and a round watch glass meet and mingle in an elegant reinterpretation of the monopusher chronograph with pulsometric scale presented by the Manufacture in 1928. While the inspiration derived from the original model is immediately perceptible, each detail has been infinitely rethought, right the way through to the specific ways that light reflects off the case, in order to offer a



VACHERON CONSTANTIN

Manufacture Horlogère. Genève, depuis 1755

unique and unprecedented shape, combined with optimal comfort. In the same way, each element of the dial and hands inspired by the original watch face has been reinvented to guarantee perfect readability of the functions.

The chronograph in the spotlight

The in-house calibers housed in the Harmony collection feature major technical and aesthetic innovations. For this anniversary series preceding the launch of the full mainstream collection in 2016, Vacheron Constantin celebrates a complication that has enjoyed a key place among its creations since 1917: the chronograph. Interpreted in its most elegantly classical expression – the monopusher chronograph – this collection greatly prized among connoisseurs requires considerable patience, dexterity and experience on the part of the watchmaker who assembles it. Four first models in this new collections embody the expertise of the Manufacture in the measurement of short times: the world's thinnest monopusher split-second chronograph, with its self-winding Caliber 3500 measuring just 5.20 mm thick; the monopusher tourbillon chronograph, driven by manual-winding Caliber 3200; the monopusher pulsimeter chronograph, with manual-winding Caliber 3300 – a variation directly inspired by the 1928 model; and finally, a double-pusher ladies' chronograph powered by manual-winding Caliber 1142.

New in-house calibers

Stemming from seven years of research and development, the three new monopusher chronographs presented in the Harmony collection are driven by calibers entirely developed and produced within the Manufacture Vacheron Constantin, completely in keeping with its watchmaking heritage while benefiting from cutting-edge technologies. While the architecture of these movements reflects the traditional aesthetic of Haute Horlogerie chronographs and their classic column-wheel construction, the design of these new calibers enjoys the best of modern manufacturing processes providing a wealth of advancements in terms of materials, precision, functionality, aesthetics and user friendliness. Reflecting the same approach of combining tradition with state-of-the-art technologies, the development of self-winding Caliber 2640DT – which also began in 2008 – delivers a new addition to this innovative range of in-house horological complications by providing a dual-time display. Two elegant masculine models crafted in white or pink gold, as well as a diamond-set white gold feminine versions, are equipped with this useful complication featuring an elaborate mechanism enabling easy adjustment of all functions via the crown.

More than ever, technical sophistication combined with a unique aesthetic are dedicated to differentiated time measurement through various new calibers and complications:

- Time measured and sequenced: the chronograph and split-second chronograph
- Time captured and simplified at a single press: the monopusher
- Precise time: the tourbillon
- Time linked to the heart: the pulsimeter
- Offset time: dual time

In keeping with the finest watchmaking traditions and like all Vacheron Constantin creations, these new calibers are adorned with remarkable finishing entirely performed by brilliantly skilled artisans. Mirror polishing, bevelling, circular graining and Côtes de Genève are merely the most notable examples of the countless finishes patiently applied to components that often remain hidden from



VACHERON CONSTANTIN

Manufacture Horlogère. Genève, depuis 1755

sight. Stamped with the prestigious Hallmark of Geneva, they meet the numerous demanding criteria of this independent and sovereign label that is a guarantee of origin, of precision, of durability and of watchmaking expertise.

In addition, so as to single out the seven inaugural timepieces in the Harmony collection, issued in limited editions, a scrolling motif inspired by the balance-cock on the oldest pocket watch belonging to the Maison and signed by Jean-Marc Vacheron in 1755, variously adorns the oscillating weight, the chronograph bridge or the balance-cock of these models. Also known as “fleurisanne engraving”, this refined ornamentation is reserved for the Vacheron Constantin 260th anniversary special editions and a commemorative inscription is duly engraved on the back of these highly exclusive timepieces.

A contemporary projection of the finest horological traditions

The inspiration for the Harmony collection can be traced to a historical model with a distinctive character, equipped with an extremely elegant and sought-after complication: one of the first chronograph wristwatches introduced by Vacheron Constantin in 1928. This monopusher chronograph with a yellow gold cushion-shaped case was equipped with a 13-ligne caliber displaying a pulsometric scale around the rim of the white dial punctuated by leaf-type hands and painted Arabic numerals. Originally a medical instrument, the pulsimeter chronograph enabled doctors and nurses to take fast readings thanks to the chronograph hand showing the pulse rate after 30 beats on a graduated scale. When placed side by side, the chronograph and original version show undeniable similarities. The aesthetic reference is immediately apparent and the kinship is accentuated by the innate elegance of the monopusher mechanism. Driven by their extreme perfectionism, the designers and developers at Vacheron Constantin have nonetheless gone well beyond merely modernising a vintage model. Each detail, each line, each curve, each characteristic and each reflection has been rethought so as to offer a contemporary projection of Vacheron Constantin’s ancestral expertise. On both technical and aesthetic levels, this ultimate reinterpretation of the 1928 chronograph has given rise to an authentic work of art.

The multiple facets of a horological work of art

The traditional cushion shape is thus transfigured by a three-dimensional “shape in a shape” architecture, while the movement it houses is a distinctively Haute Horlogerie mechanism featuring a unique construction coupled with exceptional reliability and performances.

This resolutely contemporary and sophisticated construction, combining a curved case middle, a square bezel and a round glass, highlights a silhouette graced with dynamic curves and multiple facets. Imbued with a blend of purity and equilibrium, the aesthetic of the case creates a perception of finesse in terms of its volumes, while the profile with its stretched lugs provides a flowing, continuous surface for the light to play over, yet without in any way being simplistic. This quest for perfect harmony in lines, curves, facets and reflections expresses the artistry deployed by Vacheron Constantin in creating horological sculptures destined to host finely crafted movements. A true virtuoso when it comes to shapes, the Manufacture excels in highlighting the most complex mechanisms through a unique aesthetic stemming from an authentic artistic approach. Designed to enhance the readability, the precision and the practical nature of the movement they house, these perfectly proportioned volumes provide a first-rate showcase for the Vacheron Constantin and serve to accommodate a wide variety of complications. Destined to become brand classics, the new timepieces in the Harmony collection are part of a modern and daring universe in which technique meets the art of shapes in a remarkable horological sculpture.



VACHERON CONSTANTIN

Manufacture Horlogère. Genève, depuis 1755

A face radiating supreme purity

While the medium complication and grande complication calibers unveiled this year naturally deserved a case on a par with their inherent excellence, creating perfectly readable dials corresponds to the same standards of ultimate refinement. In this instance, the inspiration drawn from the 1928 chronograph gives rise to intense reinterpretation: each original characteristic is re-embodied in the most original possible contemporary expression. Designed with an admirable concern for details, the shapes of the numerals and letters as well as the colour choices were carefully thought through in order to perfect the limpid nature of a complex display and to reinforce its unique aesthetic. The elegance and sophistication of the monopusher chronograph are thus displayed with great distinction in a luminous silver-toned dial featuring painted Arabic numerals and slender leaf-type hands. Entirely redesigned and resized to compose an entirely original creation, the blue painted numerals of the Harmony collection give a unique smoothness to the dial – placed extremely close to the hands in a striking visual effect – along with incomparable legibility. While this reinterpretation preserves the original spirit and elegant classicism of the 1920s, it lends a unique personality to the new Vacheron Constantin line. Imbued with an entirely reinvented historical dimension, the “leaf” shape of the hands characterising the 1928 model also makes its first entrance in the current Vacheron Constantin collections. The slender, elongated shape ensures the excellent precision required by these elaborate movements, while the purity of their outlines radiates an exquisitely refined traditional charm. The delicately blued chronograph hands mark off the specific functions of short-time measurement, accentuating the clarity of the displays translating the intricate workings of such complex mechanisms. In a subtle contrast with the deep blue of the numerals and hands, the minute circle graduations, on which the pulsometric and tachometric scales appear in a vivid red, thereby reinforcing the excellent readability of these gracefully uncluttered dials.

Horological sculpture: the art of shapes dedicated to the measurement of time

With the 3500, 3200, 3300 and 1142 calibers, Vacheron Constantin pays tribute to the chronograph – a complication that has been a key part of its watchmaking heritage for a century already, since it was back in 1852 that Vacheron Constantin created its first pocket watches with an independent seconds hands on “medical chronographs” featuring a dedicated graduated scale on the dial. In 1873, the Manufacture created its first pocket chronograph, and in 1917, it miniaturised it to wristwatch size for the first time. These first models reflected the specific requirements of watch mechanisms capable of measuring short times with extreme precision. Thus, from an early phase in its history, the Vacheron Constantin Manufacture developed expertise in the development of highly technical complications and timepieces, capable of performing scrupulously accurate time measurements, resistant to extreme conditions or intended for scientific observations at sea or in the air. These capabilities are notably apparent in the number of orders for antimagnetic chronograph watches or chronometers that were met between 1880 and 1910. Such requests stemmed from doctors, military observatories, engineers or navies. Vacheron Constantin’s horological science has been gradually honed and extended throughout its history, and the art of “sculpting time” in order to meet highly demanding specific needs is admirably embodied in the Harmony collection.

While the cushion shape was first introduced in the 1920s to showcase one of the brand’s chronographs, previously used in a pocket watch, this same approach has guided the creation of the new Harmony collection. Pervaded by a powerful sense of dynamism and modernity, the unique aesthetic of these new models is dedicated to serving the precision and readability of the elaborate functions. Its sophisticated construction raises Harmony to the rank of a horological sculpture, while



VACHERON CONSTANTIN

Manufacture Horlogère. Genève, depuis 1755

the un-usual movements inside it offer a multi-facetted vision of time.

Chronograph: tradition reinvented

Composed of two Greek words – chronos and graphien – which together mean “writing time”, the chronograph is designed to measure short and medium-length events. Fulfilling one of humankind’s oldest dreams, that of mastering time, the chronograph evokes speed and power in the minds of collectors and connoisseurs of Haute Horlogerie. This has made it one of the most sought-after complications since the birth of the mechanical watch in the 1980s. So as to provide a fresh demonstration of excellence in writing a new page in its history, the Manufacture Vacheron Constantin has chosen this complex and refined function to inaugurate the Harmony collection. From 2008 onwards, the Vacheron Constantin engineers, designers and watchmakers set to work, guided by the same spirit that inspired Jean-Marc Vacheron in 1755 when he opened his workshop in the Saint-Gervais district of Geneva: developing the most accomplished timepieces, driven by the most daring techniques. From the production of the first watch bearing the signature of Jean-Marc Vacheron to the launch of the Harmony collection, 260 years have elapsed, witnessing the birth of some of the world’s most complicated and sought-after chronographs, all bearing the stamp of Vacheron Constantin’s ancestral know-how. In 1917, the Geneva-based Manufacture presented its first wrist chronograph. Ever since, it has tirelessly perfected this demanding complication, in order to offer its owner the freedom to write his own time and to control it in a comfortable, elegant and assured manner.

Technical and aesthetic innovations

While the chronograph is a highly coveted complication that has appealed to connoisseurs around the world for almost two centuries, its production proves a highly complex process, due to the many mobile parts composing it. Thus, when the Vacheron Constantin research team began work seven years ago on creating a new chronograph movement, the aim was clear: to create a movement with a classic architecture, while making the most of the materials and technologies of contemporary watchmaking. To ensure its refined elegance and in tribute to the creations produced by the Manufacture in the 1920s and 1930s, it must have only one pusher. Yet behind the apparent simplicity of the chronograph lies a difficult complication calling for great dexterity and precision in order to master its adjustments and enable the owner to enjoy the inimitably smooth and comfortable feel of a single pusher. In the course of the development process, the objective became even more specific: the chronograph movement was to feature a traditional column wheel and a lateral coupling clutch, while incorporating highly ingenious advanced features such as the “dragging” minutes counter and the new “friction” technique for the lateral coupling clutch. The latter manages to address the problem that sometimes impairs the running of a chronograph: pressing the pusher tends to make the chronograph seconds hand give a slight jerk before starting to run. The chronograph was thus entirely redesigned in order to reduce and even eliminate this tiny jump.

Pursuing the crucial goal of developing a perfectly functional, reliable and user-friendly caliber, the quest for perfection was carried right the way through to the smallest details, such as a cone-shaped gear between the winding pinion and the crown wheel in order to achieve pleasantly smooth, gentle winding. Moreover, these new movements also benefit from a cutting-edge technology that served to make an extremely precise wheel profile guaranteeing minimal clearance between the gears – with the teeth separated by barely 0.03 mm! Other technical and aesthetic achievements set the finishing touch to these new calibers combining beauty and technicality. Whether visible or concealed, these refined details embody the watchmaking art according to Vacheron Constantin, revealed in the chronograph gears shaped in the form of the Maltese cross, or the screw holding the column wheel



VACHERON CONSTANTIN

Manufacture Horlogère. Genève, depuis 1755

and also adorned with the brand emblem.

Haute Horlogerie finishing and anniversary decoration

Like all creations by Vacheron Constantin and bearing the prestigious Hallmark of Geneva, the new calibers of the Harmony collection are adorned with the finest Haute Horlogerie finishing. Among these artisan-style finishes, the most remarkable of which are black or specular polishing, bevelling, circular-graining and Côtes de Genève. Entirely hand-crafted by specialised artisans, the decoration of all parts, including those invisible to the naked eye, requires not only a thorough learning process but also great dexterity and intent concentration. Driven by the constant concern for excellence and perfection that sets an authentic Haute Horlogerie apart from the rest, Vacheron Constantin masters more than a dozen different types of finishing.

So as to further enhance the inherent distinction of the inaugural models in the Harmony collection – issued in limited series – and to ensure them a lasting place within this exceptional celebration of the history of the Manufacture, the Vacheron Constantin designers have created an exclusive movement decoration specifically dedicated to its 260th anniversary. The design team, which normally focuses in the watch exterior, thus had the privilege of dreaming up an original motif inspired by the arabesques that adorned the balance-cock of the oldest pocket watch belonging to the House and signed Jean-Marc Vacheron in 1755. Also referred to as “fleurisanne engraving”, this decoration also appears on the balance-cock, the bridge of the tourbillon carriage, or the oscillating weight of the Harmony anniversary models.



VACHERON CONSTANTIN

Manufacture Horlogère. Genève, depuis 1755

Harmony Ultra-Thin Grande Complication Chronograph Caliber 3500



The flagship model of the new collection, presented in a 10-piece limited, numbered edition, the new Harmony Ultra-Thin Grande Complication Chronograph by Vacheron Constantin immediately makes its mark in the field of ultra-thin horology by setting a new world record with its self-winding movement measuring just 5.20 mm thick and its 8.40 mm cushion-shaped case. It took prodigious feats of miniaturisation to develop and ensure the faultless, high-precision operation of this elaborate construction within such a small space. It also required the skills of the most experienced watchmakers in the Manufacture to assemble and adjust to perfection the 459 parts of the new self-winding Vacheron Constantin Caliber 3500 – some of which, such as the tiny springs, measure just 3/100ths of a millimetre.

For the first time in the range of Manufacture Vacheron Constantin calibers, this self-winding movement with its 51-hour power reserve is equipped with a remarkable peripheral oscillating weight. Mounted on ball bearings, this unusual construction provides a perfectly clear view of Caliber 3500, entirely hand-decorated in keeping with the noblest watchmaking traditions. This peripheral structure also serves to preserve the exceptional slimness of the world's thinnest self-winding split-seconds chronograph movement. To signal its membership of an exclusive series dedicated to the 260th anniversary of the Manufacture, the peripheral oscillating weight of the Harmony Ultra-Thin Grande Complication Chronograph by Vacheron Constantin bears the dedicated scrolling pattern specifically created by the brand's designers for this occasion. This unusual motif, also known as "fleurisanne engraving" is inspired by the arabesques adorning the balance-cock of the oldest pocket watch from the Maison, signed by Jean-Marc Vacheron in 1755.

Equipped with a split-seconds function serving to time phenomena starting at the same time but of different durations, the new Harmony Ultra-Thin Grande Complication Chronograph by Vacheron Constantin is the slimmest in its category in terms of both its movement and its case. The first self-winding split-seconds Vacheron Constantin chronograph to bear the prestigious Hallmark of Geneva, this new in-house pays tribute to the aesthetic of the chronographs made for the brand in the 1920s, by reinterpreting the rounded shape and the interior angle bevelling of the bridges – that can only be done by hand – along with gold bushing and drop-shaped jewel surrounds.

Development work on Caliber 3500 began in 2008, aimed at developing a chronograph movement



VACHERON CONSTANTIN

Manufacture Horlogère. Genève, depuis 1755

featuring a traditional kind of architecture, while benefiting from cutting-edge technologies in order to offer reliability, user friendliness and perfect visualisation of the movement aesthetic. This caliber benefits from the numerous advanced features designed by the Manufacture's development team, including the so-called "friction" technique for the lateral coupling clutch, which serves to reduce a potential jerk of the hand when the chronograph starts running. Another particularly notable breakthrough is the blocking of the rotor when the barrel is sufficiently wound, thereby avoiding excessive tension in the winding spring. The creation of cone-shaped wheels improves the meshing of the wheels, thus giving the wearer the impression of softer, gentler winding. Moreover, the micro-technologies used for cutting the wheels have made it possible to create extremely close-set teeth to improve the engagement of the gear trains. The creation of an ultra-thin non-spherical differential has contributed to maintaining the power-reserve indication, without influencing the movement's thickness. Finally, the development of a "dragging" chronograph minutes indication reduces the loss in amplitude and thus improves precision.

Housed in a precious cushion-shaped case made of 950 platinum, Caliber 3500 deserved an exterior to match its excellence. The "shape-in-a-shape" case combining a curving case, a square waisted case middle and a circular bezel creates a sensation of slenderness, while demonstrating an entirely unique and impressive character. The hours, minutes, small seconds at 9 o'clock and power reserve are clearly displayed on a luminous opaline silver-toned dial framed by a deep red tachometric scale. The blue-painted Arabic numerals beautifully match the blued chronograph hands, while elegant leaf-type hands punctuate the hours and minutes.

Inaugurating the Harmony collection in an outstandingly elegant manner, the new Ultra-Thin Grande Complication Chronograph by Vacheron Constantin expresses the full degree of mastery achieved by the Geneva Manufacture in the art of shapes dedicated to serving horological science successfully blending tradition with modernity.



VACHERON CONSTANTIN

Manufacture Horlogère. Genève, depuis 1755

Harmony Tourbillon Chronograph Caliber 3200



Elegant, fascinating, prestigious, precious: the Harmony Tourbillon Chronograph by Vacheron Constantin comprises an impressive number of assets. Powered by the new hand-winding Vacheron Constantin Caliber 3200, this remarkable timepiece joins the Harmony collection designed to accommodate medium complication and grande complication movements, to the delight of collectors and informed connoisseurs. Combining the elegance of the monopusher chronograph with the prestige of a stunning tourbillon shaped like the Maltese Cross, this exceptional new model is issued in a highly exclusive series of 26 individually numbered timepieces. Housed in a precious 950 platinum case, Vacheron Constantin Caliber 3200 bearing the Hallmark of Geneva features a bridge hand-engraved with delicate scrolling patterns. Specially created by the brand designers to set apart the exclusive series dedicated to the 260th anniversary of the Manufacture, this original motif, also known as “fleurisanne engraving”, is inspired by the arabesques adorning the balance-cock on the oldest pocket watch belonging to the Maison and signed by Jean-Marc Vacheron in 1755.

This new movement entirely designed, developed and produced in the Manufacture benefits from a number of technological breakthroughs enhancing the precision and reliability of its complex functions, while improving the user friendliness of this highly sophisticated timepiece. The development of Caliber 3200 began in 2008 with the clear aim of making a classic construction incorporating cutting-edge technologies. In addition to a traditional architecture, its column wheel and its lateral coupling clutch, the new Caliber 3200 by Vacheron Constantin, driving the hours, minutes, small seconds, tourbillon, monopusher chronograph and power-reserve indications, is particularly innovative.

Among the major evolutions enriching this new chronograph movement equipped with a dragging 45-minute counter – rather than the traditional 30-minute type – is an uncompromisingly dynamic chronograph-activation system devised by the development team. On traditional constructions, the mechanism is sometimes activated but does not actually start if the pusher is not pressed firmly enough. With this “all or nothing” system, the gears and cams cannot be set into motion without actually starting the mechanism, thereby considerably optimising the durability and reliability of the movement. Moreover, thanks to a new “friction” technique for the lateral coupling clutch, the chronograph seconds hand avoids the little jerk that tends to occur when the chronograph is activated. In addition, the sliding-type lateral pusher ensures improved control of the chronograph functions.



VACHERON CONSTANTIN

Manufacture Horlogère. Genève, depuis 1755

With the aim of substantially enhancing the precision of the operational sequences, the chronograph uses two hammers instead of one for the start, stop and reset functions. Each exercises pressure on the heart-shaped cams, which turn in clockwise or counter-clockwise directions. The hands are thus brought back to zero. The hammers also return to their original place when the blocking-levers resume their initial position.

It is worth noting that the cone-shaped gear between winding pinion and the crown wheel enables extremely smooth, gentle winding, while the spherical differential (also fitted with a cone-shaped gear) serving to indicate the power reserve also prolongs the movement's life cycle. In another significant breakthrough, contemporary production methods proved useful in designing the chronograph wheels and the friction system, by making it possible to produce an extremely precise wheel profile guaranteeing that clearance between the gears is kept to an absolute minimum thanks to teeth separated by a mere 0.03 mm! Whether visible or hidden from sight, these refined details embody the art of watchmaking upheld by Vacheron Constantin, also showcased in the chronograph gears hollowed in the brand-signature Maltese Cross shape, as well as the column-wheel screw adorned with the same emblem.

Endowed with a generous 65-hour power reserve, this mechanical hand-winding complication movement is composed of 292 parts, all hand-decorated in keeping with the rules of the watchmaking art. So as to offer a clearer view of the fascinating choreography performed by the tourbillon at 12 o'clock, the developers of the Manufacture have made the carriage move in an unusual way. Instead of being driven by the pinion of the seconds wheel, the tourbillon carriage is set into motion by an intermediate wheel of the running seconds display. This configuration enables an extremely broad opening onto the upper plate, thus affording an even more spectacular view of the tourbillon. The Research & Development team also opted for an oscillating frequency of 2.5 Hz (18,000 vph) in order to guarantee a serene cadence. Thanks to this slow, steady pace, the ultra-light tourbillon composed of 49 parts – some of them specular-polished – and weighing just 0.55 grams in all, provides generous views of its airy ballet through an extremely wide opening in the opaline dial, while a small blued screw adorning the Maltese Cross points towards the seconds around its rim.

Admirably revealed within the sculptural shapes of an entirely reinvented cushion-shaped case, this fascinating complication cuts a distinguished figure on the pure, perfectly readable dial. Blue-painted Arabic numerals inspired by the original 1928 model, but reinterpreted in an entirely contemporary expression of elegance, gracefully match the blued hands displaying the chronograph functions. A vivid red minute circle punctuates the dial circumference, swept over by an elegant pair of leaf-type hands.

Exclusive by its very nature, this new model combining two of the most prestigious and highly sought-after complications in the watchmaking world embodies classic elegance matched by a firmly contemporary spirit.



VACHERON CONSTANTIN

Manufacture Horlogère. Genève, depuis 1755

Harmony Chronograph Caliber 3300



A contemporary incarnation of a 1928 Vacheron Constantin chronograph, the new Chronograph in the Harmony collection clearly displays its kinship with the original model and pays it an eloquent tribute. Its generous pink gold cushion-shaped case reinterprets formal artistry firmly dedicated to technical refinement, since its three-dimensional construction houses the new hand-wound Caliber 3300 developed by Vacheron Constantin. Endowed with a substantial 65-hour power reserve, this monopusher chronograph movement adopts the classic architecture of the new chronograph movements presented by the Manufacture to mark its 260th anniversary, while benefiting from modern production technologies. For the anniversary edition, this model is issued in a limited, individually numbered edition of 260. It displays the hours, minutes, small seconds at 9 o'clock, along with a monopusher chronograph function, pulsometric scale and power-reserve indication. In tribute to the 1928 model and to historical medical watches, it bears a pulsometric graduation painted in deep red around the rim of the dial and intended to calculate the pulse on a 30-beat scale. Moreover, the balance-cock is hand-engraved with an original décor forming delicate scrolling patterns. Specially created by the brand designers to distinguish the exclusive series dedicated to the 260th anniversary of the Manufacture, this original motif also known as “fleurisanne engraving”, is inspired by the arabesques that adorned the world’s oldest pocket watch belonging to the Maison and signed by Jean-Marc Vacheron in 1755. Development work on Caliber 3300 began in 2008, based on the same fundamental determination to develop a traditional chronograph architecture equipped with a column wheel and a lateral coupling clutch, while endowing it with all the technical and aesthetic attributes of contemporary technology.

Among the major evolutions enriching this new chronograph movement equipped with a dragging 45-minute counter – rather than the traditional 30-minute type – is an uncompromisingly dynamic chronograph-activation system devised by the development team. On traditional constructions, the mechanism is sometimes activated but does not actually start if the pusher is not pressed firmly enough. With this “all or nothing” system, the gears and cams cannot be set into motion without actually starting the mechanism, thereby considerably optimising the durability and reliability of the movement. Moreover, thanks to a new “friction” technique for the lateral coupling clutch, the chronograph seconds hand avoids the little jerk that tends to occur when the chronograph is activated. In addition, the sliding-type lateral pusher ensures improved control of the chronograph functions.



VACHERON CONSTANTIN

Manufacture Horlogère. Genève, depuis 1755

With the aim of substantially enhancing the precision of the operational sequences, the chronograph uses two hammers instead of one for the start, stop and reset functions. Each exercises pressure on the heart-shaped cams, which turn in clockwise or counter-clockwise directions. The hands are thus brought back to zero. The hammers also return to their original place when the blocking-levers resume their initial position.

It is worth noting that the cone-shaped gear between winding pinion and the crown wheel enables extremely smooth, gentle winding, while the spherical differential (also fitted with a cone-shaped gear) serving to indicate the power reserve also prolongs the movement's life cycle. In another significant breakthrough, contemporary production methods proved useful in designing the chronograph wheels and the friction system, by making it possible to produce an extremely precise wheel profile guaranteeing that clearance between the gears is kept to an absolute minimum thanks to teeth separated by a mere 0.03 mm! Whether visible or hidden from sight, these refined details embody the art of watchmaking upheld by Vacheron Constantin, also showcased in the chronograph gears hollowed in the brand-signature Maltese Cross shape, as well as the column-wheel screw adorned with the same emblem.



VACHERON CONSTANTIN

Manufacture Horlogère. Genève, depuis 1755

Harmony Chronograph Small Model Caliber 1142



The Harmony collection welcomes this new double-pusher chronograph, an elegant interpretation of a horological complication interpreted in the feminine mode. Issued in a limited, numbered 260-piece edition, the Chronograph Small Model is comfortably housed in a generous 18K pink gold cushion-shaped case. Its gem-set bezels sparkles with diamonds of the highest quality totalling 1.20 carats. At its heart, beating at a frequency of 3 Hz, the hand-winding Caliber 1142, powers one of the most coveted Haute Horlogerie complications: the chronograph. Caliber 1142 is an enhanced version of an existing caliber now meeting the demands of the Hallmark of Geneva and endowed with a higher frequency (3 Hz rather than 2.5 Hz) in order to improve the shock-resistance of the balance-wheel.

Endowed with a 48-hour power reserve, this exceptional movement composed of 164 entirely hand-decorated parts displays the hours, minutes, small seconds and chronograph functions. In tribute to the 260 years of excellence perpetuated by the Manufacture, its balance-cock is embellished with an original scrolling pattern. Specifically created by the brand's designers to set these exclusive editions apart, this unusual motif also known as "fleurisanne engraving" is inspired by the arabesques adorning the balance-cock of the oldest pocket watch by the Maison, signed by Jean-Marc Vacheron in 1755. Like all new chronograph movements in the collection, the column-wheel screw is adorned with Vacheron Constantin's Maltese Cross emblem. The unprecedented blue-painted Arabic numerals specially designed for the models in the Harmony collection, stand out against the opaline silver-toned dial punctuated by gold or delicately blued leaf-type hands, reinforcing the perfect readability of each function. Stamped with the prestigious Hallmark of Geneva, this elegant chronograph displays a femininity imbued with daring and character – two qualities synonymous with this resolutely contemporary collection.



VACHERON CONSTANTIN

Manufacture Horlogère. Genève, depuis 1755

Harmony Dual Time Caliber 2460DT



Harmony is a contemporary collection par excellence, intended to house new Manufacture movements and unusual complications, designed to meet the demands of a lifestyle in perpetual motion. Firmly in tune with the times, the dual time function is one of the most useful and most sought-

after complications among both men and women. To meet these expectations, the Manufacture Vacheron Constantin has developed and produced the new self-winding Caliber 2460DT dedicated to this must-have function. Three new references, two for men and one for women, are equipped with this new movement driving the hours, minutes, seconds along with dual time and day/night indications. To further improve the user friendliness of this timepiece in any situation, this elaborate movement incorporates a remarkable innovation: all settings may be done by the crown in both directions, without any risk of damaging the mechanism. This caliber comprises a special stop seconds device ensuring a more accurate time display. Moreover, the ribbed crown also ensures smooth and easy handling.

Like all creations from Harmony, these three new timepieces are certified by the Hallmark of Geneva, a guarantee of provenance, craftsmanship, durability and expertise. Presented to mark Vacheron Constantin's 260th anniversary and issued in limited series on this occasion, the Dual Time and Dual Time Small model feature an oscillating weight adorned with a commemorative motif forming delicate scrolling patterns. Specifically created by the brand's designers to set these exclusive editions apart, this unusual motif also known as "fleurisanne engraving" is inspired by the arabesques adorning the balance-cock of the oldest pocket watch by the Maison, signed by Jean-Marc Vacheron in 1755.

Vacheron Constantin Caliber 2460DT with its generous 40-hour power reserve is composed of 233 parts, all hand-decorated in keeping with the finest watchmaking traditions. The two masculine versions appear in a generous cushion-shaped case in 18K white gold or 18K 5N pink gold, while the feminine variation in 18-carat white gold features a daintier size and a bezel delicately set with 88 diamonds totalling 1.20 carats. On an opaline silver-toned dial graced with gold or blued leaf-type hands, the blue-painted numerals typical of the Harmony collection ensure perfectly clear local time and dual time readings, while the sun and moon symbols on the day/night indication are made of gold. Subtly combining functionality with elegance, the Dual Time models embody the eminently contemporary nature of the new Harmony collection.



VACHERON CONSTANTIN

Manufacture Horlogère. Genève, depuis 1755

TECHNICAL DATA

Harmony ultra-thin grande complication chronograph

Reference	5400S/000P-B057 Hallmark of Geneva certified timepiece Only available in Vacheron Constantin Boutiques
Caliber	3500 Developed and manufactured by Vacheron Constantin Mechanical, self-winding with peripheral rotor 33.4 mm (14''' $\frac{3}{4}$) diameter 5.2 mm thick Approximately 51 hours of power reserve 3 Hz (21,600 vibrations/hour) 459 components 47 jewels Gold peripheral rotor hand-engraved with a dedicated 260 th anniversary pattern
Indications	Hours Minutes Small seconds at 9 o'clock Monopusher chronograph (with 60-minute counter at 3 o'clock) Tachometer scale Power reserve
Case	Platinum 950 42mm x 52 mm, 8.4 mm thick Transparent sapphire crystal caseback
Dial	Silvered opaline Blue painted Arabic numerals and red painted tachometer scale
Strap	Blue <i>Mississippiensis</i> alligator leather, hand-stitched, saddle-finish, large square scales
Clasp	Platinum 950 triple blade folding clasp Polished half Maltese cross-shaped
Presentation box	Dedicated 260 th anniversary presentation box
Accessories	Delivered with a magnifying glass, a dedicated brochure on the Harmony product line and a 260 th anniversary celebration letter signed by Mr. Juan-Carlos Torres, CEO of Vacheron Constantin

Limited edition of 10 individually numbered pieces
« N° X/10 » and « 260th Anniversary » engraved on the back of the timepiece



VACHERON CONSTANTIN

Manufacture Horlogère. Genève, depuis 1755

TECHNICAL DATA

Harmony tourbillon chronograph

Reference	5100S/000P-B056 Hallmark of Geneva certified timepiece Only available in Vacheron Constantin Boutiques
Calibre	3200 Developed and manufactured by Vacheron Constantin Mechanical, manual-winding 32.8 mm (14''' ½) diameter 6.7 mm thick Approximately 65 hours of power reserve 2.5 Hz (18,000 vibrations/hour) 292 components 39 jewels Bridge hand-engraved with a dedicated 260 th anniversary pattern
Indications	Hours, minutes Small seconds on tourbillon carriage (bluished screw) Tourbillon Monopusher chronograph (45-minute counter at 3 o'clock) Power reserve
Case	Platinum 950 42 mm x 52 mm, 12.81 mm thick Transparent sapphire crystal caseback Water-resistance tested at a pressure of 3 bar (approx. 30 meters)
Dial	Silvered opaline Blue painted Arabic numerals and red painted minute-track
Strap	Blue <i>Mississippiensis</i> alligator leather, hand-stitched, saddle-finish, large square scales
Clasp	Platinum 950 triple blade folding clasp Polished half Maltese cross-shaped
Presentation box	Dedicated 260 th anniversary presentation box
Accessories	Delivered with a magnifying glass, a dedicated brochure on the Harmony product line and a 260 th anniversary celebration letter signed by Mr. Juan-Carlos Torres, CEO of Vacheron Constantin

Limited edition of 26 individually numbered pieces

« N° X/26 » and « 260th Anniversary » engraved on the back of the timepiece



VACHERON CONSTANTIN

Manufacture Horlogère. Genève, depuis 1755

TECHNICAL DATA

Harmony chronograph

Reference	5300S/000R-B055 Hallmark of Geneva certified timepiece
Caliber	3300 Developed and manufactured by Vacheron Constantin Mechanical, manual-winding 32.8 mm (14''' ½) diameter 6.7 mm thick Approximately 65 hours of power reserve 3 Hz (21,600 vibrations/hour) 252 components 35 jewels Balance cock hand-engraved with a dedicated 260 th anniversary pattern
Indications	Hours, minutes Small seconds at 9 o'clock Monopusher chronograph (45-minute counter at 3 o'clock) Pulsimeter scale Power reserve
Case	18K 5N pink gold 42 mm x 52 mm, 12.81 mm thick Transparent sapphire crystal caseback Water-resistance tested at a pressure of 3 bar (approx. 30 meters)
Dial	Silvered opaline Blue painted Arabic numerals and red painted pulsimeter scale
Strap	Brown <i>Mississippiensis</i> alligator leather, hand-stitched, saddle-finish, large square scales
Clasp	18K 5N pink gold triple blade folding clasp Polished half Maltese cross-shaped
Presentation box	Dedicated 260 th anniversary presentation box
Accessories	Delivered with a magnifying glass, a dedicated brochure on the Harmony product line and a 260 th anniversary celebration letter signed by Mr. Juan-Carlos Torres, CEO of Vacheron Constantin

Limited edition of 260 individually numbered pieces

« N° X/260 » and « 260th Anniversary » engraved on the back of the timepiece



VACHERON CONSTANTIN

Manufacture Horlogère. Genève, depuis 1755

TECHNICAL DATA

Harmony chronograph small model

Reference	5005S/000R-B053 Hallmark of Geneva certified timepiece
Caliber	1142 Mechanical, manual-winding 27.5 mm (12'') diameter 5.57 mm thick Approximately 48 hours of power reserve 3 Hz (21,600 vibrations/hour) 164 components 21 jewels Balance cock hand-engraved with a dedicated 260 th anniversary pattern
Indications	Hours, minutes Small seconds at 9 o'clock Chronograph (30-minute counter at 3 o'clock)
Case	18K 5N pink gold Diamond-set bezel (84 round-cut diamonds, total weight of approx. 1.2 carats) 37 mm x 46.6 mm, 11.74 mm thick Transparent sapphire crystal caseback Water-resistance tested at a pressure of 3 bar (approx. 30 meters)
Dial	Silvered opaline Blue painted Arabic numerals
Strap	Warm grey <i>Mississippiensis</i> alligator leather, hand-stitched, saddle-finish, square scales
Clasp	18K 5N pink gold triple blade folding clasp Polished half Maltese cross-shaped
Presentation box	Dedicated 260 th anniversary presentation box
Accessories	Delivered with a magnifying glass, a dedicated brochure on the Harmony product line and a 260 th anniversary celebration letter signed by Mr. Juan-Carlos Torres, CEO of Vacheron Constantin

Limited edition of 260 individually numbered pieces

« N° X/260 » and « 260th Anniversary » engraved on the back of the timepiece



VACHERON CONSTANTIN

Manufacture Horlogère. Genève, depuis 1755

TECHNICAL DATA

Harmony dual time

References	7810S/000G-B050 7810S/000R-B051 Hallmark of Geneva certified timepieces
Caliber	2460DT Developed and manufactured by Vacheron Constantin Mechanical, self-winding 28 mm (11'' ¼) diameter 5.4 mm thick Approximately 40 hours of power reserve 4 Hz (28,800 vibrations/hour) 233 components 27 jewels Gold rotor decorated with a dedicated 260 th anniversary pattern
Indications	Hours, minutes Center seconds 2 nd time zone Day/night indication
Case	18K white gold / 18K 5N pink gold 40 mm x 49.3 mm, 11.43 mm thick Transparent sapphire crystal caseback Water-resistance tested at a pressure of 3 bar (approx. 30 meters)
Dial	Silvered opaline Blue painted Arabic numerals Gold sun and moon
Strap	Brown <i>Mississippiensis</i> alligator leather, hand-stitched, saddle-finish, large square scales
Clasp	18K white gold / 18K 5N pink gold triple blade folding clasp Polished half Maltese cross-shaped
Presentation box	Dedicated 260 th anniversary presentation box
Accessories	Delivered with a magnifying glass, a dedicated brochure on the Harmony product line and a 260 th anniversary celebration letter signed by Mr. Juan-Carlos Torres, CEO of Vacheron Constantin

Limited edition of 625 pieces

« 260th Anniversary » engraved on the back of the timepiece



VACHERON CONSTANTIN

Manufacture Horlogère. Genève, depuis 1755

TECHNICAL DATA

Harmony dual time small model

Reference	7805S/000G-B052 Hallmark of Geneva certified timepiece
Calibre	2460DT Developed and manufactured by Vacheron Constantin Mechanical, self-winding 28 mm (11'' ¼) diameter 5.4 mm thick Approximately 40 hours of power reserve 4 Hz (28,800 vibrations/hour) 233 components 27 jewels Gold rotor decorated with a 260 th anniversary dedicated pattern
Indications	Hours, minutes Center seconds 2 nd time zone Day/night indication
Case	18K white gold Diamond-set bezel (88 round-cut diamonds for a total weight of about 1.2 carats) 37 mm x 46.6 mm, 11.18 mm thick Transparent sapphire crystal caseback Water-resistance tested at a pressure of 3 bar (approx. 30 meters)
Dial	Silvered opaline Blue painted Arabic numerals Gold sun and moon
Strap	Light blue <i>Mississippiensis</i> alligator leather, hand-stitched, saddle-finish, square scales
Clasp	18K white gold triple blade folding clasp Polished half Maltese cross-shaped
Presentation box	Dedicated 260 th anniversary presentation box
Accessories	Delivered with a magnifying glass, a dedicated brochure on the Harmony product line and a 260 th anniversary celebration letter signed by Mr. Juan-Carlos Torres, CEO of Vacheron Constantin

Limited edition of 500 pieces

« 260th Anniversary » engraved on the back of the timepiece