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When someone appraises a work of human ingenuity, whether it be a piece of writing or music, or a drawing, or a design, or indeed any other thing, and declares that "It's a classic", there are three stages in its existence: the

past, the present and the future. Such a work is deemed "a classic" when it transcends these three stages of actual time, that is to say, when it exists in an ideal period with material aesthetic and moral values where it is no

longer affected by the passage of the hours, the seasons and the years.

To be classic is to be both universal and timeless.

But in order to judge whether or not a creation is really a classic, the first step any scholar, expert, connoisseur or enthusiast must take is to uncover the memory and history of the creation itself, bringing to light its traditions

ne truth of history is the starting point for testing the originality, authenticity and identity of a work of human ingenuity, whether it be large or small.

In the world of today, with its invented and even imaginary histories that go beyond customary limits and values, it is only proper that Officine Panerai should, for the first time tell the true story of its craftsmen and specialists

in the field of time. This it has done, using hitherto unpublished texts and

This is the background which proves the modern qualities of Panerai's creations today, and which will ensure their innovation in the future. The unchanging traditions which guarantee the quality with which these creations have been endowed make it possible to say of any of these works of the human mind: "It's a classic".

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A HISTORY OF VALUES



1860

Giovanni Panerai opens a watchmaker's shop in Florence: a store which is also a workshop, not to mention the city's first watch-making school. Initially located on Ponte alle Grazie, the Orologeria Svizzera, as it was called, later moves to its current premises, inside the Palazzo Arcivescovile in Piazza San Giovanni.

1916

Guido Panerai registers the first of many patents to mark Panerai's long history in innovation. To meet the military requirement of the Royal Italian Navy, for which it has already been a supplier for a few years, Panerai creates Radiomir, a radium-based powder for making sighting instruments and dials luminous.

1936

On the eve of the Second World War, the instruments developed by Panerai for the Royal Italian Navy take on an even more strategic role. The prototype of the Radiomir watch is created for the underwater exploits of the Command of the First Submarine Corp, with many of the features which still distinguish it today: a large steel cushion-shaped case (47 mm), luminous numerals and markers, wire loop strap attachments welded to the case, a hand-wound mechanical movement, a wide water-resistant strap, long enough to be fastened over the diving suit.

1938 - 1949

The Radiomir watch is subjected to a series of innovations aimed at improving its performance: the new sandwich dial is made more luminous and easier to read; the strap attachments become more resistant and are made from the case itself; and the distinctive lever bridge device is invented, secured with screws to protect the crown. Thanks to these innovations which make it more resistant and watertight, the new Panerai watch becomes the first underwater model (to depths of 200m) in the history of horology. At the same time, radioactive Radiomir is replaced by Luminor, isotope of tritium-based hydrogen, patented by Panerai for the first time in Italy in 1949.

1943

Officine Panerai presents the prototype of the first Panerai chronograph, the Mare Nostrum, designed for deck officers.

1956

Panerai develops an underwater Radiomir watch of exceptional size and solidity for the Egyptian Navy, known as the "Egyptian", fitted with a marked bezel for calculating immersion times. In the same year, the patent is registered for the bridge protecting the crown which becomes the trademark of the Luminor models.

1972

Giuseppe Panerai, son of Guido, dies, and the management of the family business, along with its position as supplier to the Italian Navy still covered by military secret, is handed over to engineer Dino Zei, who creates the "Officine Panerai" trademark

1993

The first commercial collection by Officine Panerai: three limited edition models inspired by those created for Second World War navy commandos.

1997

Officine Panerai is acquired by the Richemont Group (then Vendôme), which establishes a network of qualified distributors in Italy.

1998

Officine Panerai is launched on the international market.

2001

The Panerai Boutique is inaugurated, following restyling, at the historical site in Piazza San Giovanni in Florence, following the purchase of the family boutique by Officine Panerai. This Bottega d'Arte represents a meeting point for enthusiasts and collectors of the brand who can find here, in addition to the current collection, special editions and production runs which Panerai reserves exclusively for its boutiques. The shop also plays host to the Panerai Historical Archive, a selection of historical items created by the Florentine company: watches, compasses, depth gauges, torches and horology instruments.

2002

Opening of the Officine Panerai Manufacture in Neuchâtel, Switzerland. The first Panerai boutique in Asia opens in the Prince's Building in Hong Kong.

2005

International launch of the first Panerai movement, P.2002: a hand-wound calibre with GMT function and 8-day power reserve, inspired by the Angelus movement of the 1940s.

2007

Officine Panerai presents three new calibres entirely conceived and developed in-house: P.2003, P.2004 and P.2005, with an innovative tourbillon escapement.

2008 - 2009

Launch of the P.9000 and P.2006 movements. Presentation of Eilean, the Bermudian ketch built in 1936 in the legendary Fife boatyard, purchased and restored by Officine Panerai.

2010

Launch of the P.999 calibre and Panerai Jupiterium, a tribute to the 400th anniversary of the first celestial observations made by Tuscan genius Galileo Galilei with his telescope. Launch of the first watch in Panerai Composite.

2011 - 2012

Launch of the P.3000 calibre and of the first watch in bronze. Presentation of the vintage case inspired by the Radiomir of the 1940s.





HISTORIC COLLECTION 13

LUMINOR



Luminor Panerai late 1940s - early 1950s

Taking advantage of its experience in making precision instruments, Panerai created in the 1940s the first Luminor, a reliable watch, resistant and easily readable under any conditions: adapted to the extreme military use for which it was intended

The distinctive characteristics that still today make it a unique watch with an origina personality are:

- the dial of large size, simple and easily legible even in the dark or under water;
- the lever device protecting the winding crown (protected as a trademark), which guards the winding crown from shocks and accidental movements, preventing the hands being inadvertently shifted and contributing to the water tightness of the crown, ensuring its resistance to water even at great depths;
- highly reliable movements, transformed by Panerai according to the criteria of traditional Swiss watchmaking.

TECHNICAL SPECIFICATIONS:

Luminor Base: Hand-wound mechanical movement, exclusive Panerai OP X calibre, 16½ lignes, 17 jewels, Glucydur® balance, 21,600 alternations/hour. Incabloc® anti-shock device. Swan's neck regulator. Power reserve 56 hours. Côtes de Genève decoration on the oridges.

Luminor Base Logo: Hand-wound mechanical, exclusive Panerai OP I calibre, 16½ lignes, 17 jewels, Glucydur® balance, 21,600 alternations/hour. Incabloc® anti-shock device. Power reserve

Luminor Marina Logo: Hand-wound mechanical, exclusive Panerai OP II calibre, 16½ lignes, 17 jewels, Glucydur® balance, 21,600 alternations/hour. Incabloc® anti-shock device. Power reserve 56 hours. It is tested and certified by C.O.S.C. (Contrôle Officiel Suisse des Chronomètres).

Luminor Base Logo - 44mm



PAM00000



Luminor Marina Logo - 44mm

PAM00005

Luminor Base - 44mm



PAM00114



Luminor Base - 44mm

PAM00112

Luminor Base Titanio - 44mm



PAM00176



LUMINOR MARINA

In order to reduce the frequency of the winding operation, in about 1950 Panerai adopted an 8-day Angelus movement for the Luminor, with the small seconds dial at the 9 o'clock position, which still today is the distinctive feature of Panerai watches

Like the other watches in the Historic range, the Luminor Marina is fitted with a movement transformed by Panerai according to the standards of traditional Swiss watchmaking and the quality criteria of the brand.

TECHNICAL SPECIFICATIONS:

Hand-wound mechanical movement, exclusive Panerai OP XI calibre, 16½ lignes, 17 jewels, Glucydur® balance, 21,600 alternations/hour. Incabloc® anti-shock device. Swan's neck regulator. Power reserve 56 hours. Côtes de Genève decoration on the bridges. It is tested and certified by C.O.S.C.



Luminor Marina - 44mm



PAM00113



Luminor Marina - 44mm

PAM00111

Luminor Marina Titanio - 44mm



PAM00177

LUMINOR

PANERAI



In the 1940s, the characteristic Panerai device with a lever locking the crown was fitted to the left-hand side of the case, meeting the needs of the Naval frogmen who wanted to wear the watch on the right wrist, since they already wore a compass or a depth gauge on the left.

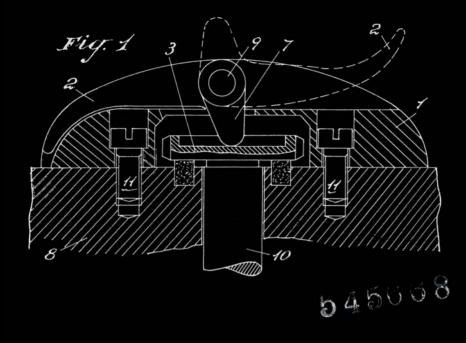
Recalling this technical-functional ingenuity, Panerai has researched and perfected a special watch for left-handers and others who prefer to wear their watch on the right wrist: the Panerai Luminor Base Left-Handed.

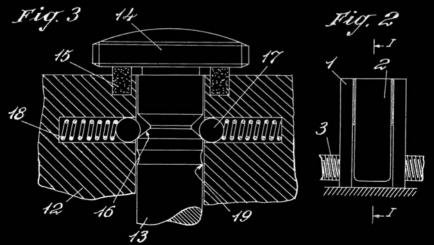
The distinctive features compared with the Luminor Base resulting from the specially designed movement, are the winding crown and the device protecting the crown on the left side of the case.

TECHNICAL SPECIFICATIONS:

Hand-wound mechanical movement, exclusive Panera OP X calibre, 16½ lignes, 17 jewels, Glucydur® balance 21,600 alternations/hour. Incabloc® anti-shock device. Swan's neck regulator. Power reserve 56 hours. Côtes de Genève decoration on the bridges.

LUMINOR BASE LEFT-HANDED







Luminor Base Left-Handed - 44mm

PAM00219

RADIOMIR



Radiomir Panerai late 1930s

The Panerai Radiomir Black Seal (steel of ceramic case) reproduces the design of the first historic watch created by Officine Panerai in 1938 for the Royal Italian Navv.

This watch was distinguished by the structure of its case which ensured a particularly high degree of water-resistance through its screw-down winding crown and screw back, while the use of Radiomir, a luminous paint based on zinc sulphide, mesothorium and radium bromide, gave the dial maximum visibility even in the most unfavourable conditions

The Radiomir Historic collection is enriched by the Radiomir watch in black ceramic.

The choice of using this high-tech material, particularly interesting both from an aesthetical and a technical point of view, represents the development of the concept of technical experimentation which is constantly pursued by Panerai. The ceramic used is zirconium oxide and it is moulded from powder using a process of isostatic pressure.

In this way all the special features of this material are enhanced: its extreme hardness (up to five times greater than steel), its strong resistance to

a wide range of temperatures, and the fact that when worn for long periods the watch does not become scratched, damaged or corroded.

TECHNICAL SPECIFICATIONS:

Radiomir Black Seal: Hand-wound mechanical movement, exclusive Panerai OP XI calibre, 16½ lignes, 17 jewels, Glucydur® balance, 21,600 alternations/hour. Incabloc® anti-shock device. Power reserve 56 hours. Swan's neck regulator. Côtes de Genève decoration on the bridges

Radiomir Black Seal Logo: Hand-wound mechanical, exclusive Panerai OP II calibre, 16½ lignes, 17 jewels, Glucydur® balance, 21,600 alternations/hour. Incabloc® anti-shock device. Power reserve 56 hours.

The OP II and OP XI calibres are tested and certified by C.O.S.C.



PANERAI





Radiormi Black Seal Logo - 45mm

PAM00380

Radiomir Black Seal - 45mm



PAM00183



Radiomir Black Seal Ceramica - 45mm

PAM00292



The P.999 is a mechanical movement combining reliability robustness and precision and featuring the special structure with wide separated bridges that characterizes all the other Officine Paneral manufacture calibres.

With a 12 ligne diameter, equal to 27.4 mm, and a thickness of 3.4 mm, the P.999 calibre is slightly smaller than the other Officine Panerai calibres making it ideal for models which are smaller, both in diameter and in thickness, than the historical watches.

With 19 jewels, a single barrel providing a 60-hour power reserve and small seconds at 9 o'clock, the new calibre is made up of 154 components and beats time at a frequency of 3 Hz: this means that its balance wheel makes 21,600 alternations/hour. Equipped with adjusting screws, the balance wheel is protected by an Incabloc® anti-shock device while the regulating system has a swan's neck regulator – in the movements of the pink and red gold version.

P.999 MOVEMENT

The watches equipped with P.999 calibre are now available in steel, titanium, pink gold, and red gold. For the first time ever, Officine Panerai uses the red gold for its watches.

TECHNICAL SPECIFICATIONS:

Radiomir in steel and titanium: Hand-wound mechanical movement, Panerai P.999/1 calibre, executed entirely by Panerai, 12 lignes, 3 mm thick, 19 jewels, Glucydur® balance, 21,600 alternations/hour. Incabloc® anti-shock device. Power reserve 60 hours. 144 components.

Radiomir in pink and red gold: Hand-wound mechanical movement, Panerai P.999 calibre, executed entirely by Panerai, 12 lignes, 3,4 mm thick, 19 jewels, Glucydur® balance, 21,600 alternations/hour. Incabloc® anti-shock device. Swan's neck regulator. Power reserve 60 hours. 154 components.



Radiomir - 42mm



PAM00337



Radiomir Titanio - 42mm

PAM00338

Radiomir Oro Rosa - 42mm



PAM00378



Radiomir Oro Rosso - 42mm



P.3000 - P.3001 - P.3002 MOVEMENTS

The P.3000 calibre, created entirely in the Panerai Manufacture, presents the main characteristics of the Panerai movements both in terms of structure and in terms of robustness, accuracy and its power reserve. It is available in three versions – P.3000. P.3001 and P.3002.

The diameter of the caliber is 16½ lignes, a substantial size which traces its origins from that of the movements which were fitted to the historic Panerai models. The calibre is immediately recognisable by its construction, which is similar to that of a three-quarter plate movement: a large bridge, next to another smaller one, covers the majority of the mechanical parts and it is fixed to the bottom plate by a series of screws of substantial thickness, thus forming a particularly rigid structure. The movement has 21 jewels and it uses two spring barrels connected in series. Such an arrangement enables long, thin springs to be used, which ensures the delivery of a more even force and also does so over a longer period of time, with a power reserve of 3 days. The balance wheel is unusually large (13.2 mm) and it is the variable inertia type,

with four adjusting screws arranged externally round the ring, so that the rate can be regulated without it being necessary to remove the whole assembly. Supported by a bridge with twin supports – a fixing much safer and more stable compared to the cantilevered single bridge – the balance wheel oscillates at a frequency of 3 Hz, equivalent to 21,600 alternations per hour. It is fitted with an Incabloc® anti-shock device and

angles – that is, with the angles smoothed and polished – the P.3000 calibre is also fitted with the device for the rapid adjustment of the time: a star wheel with 12 points and a small spring clutch enable the hour hand to be moved one

The P.3000, P.3001 and P.3002 movements may feature the date or GMT functions. The P.3001 has the power reserve indicator visible on the back, the P.3002 has the power reserve indicator visible on the dial

movement of the minute hand or the operation

TECHNICAL SPECIFICATIONS:

by Panerai, 16½ lignes, 5.3 mm thick, 21 jewels, Glucydur® balance, 21,600 alternations/hour. ncabloc® anti-shock device. Power reserve days, two barrels, 160 components*.

P.3001: Hand-wound mechanical, executed entirely by Panerai, 16½ lignes, 6.3 mm thick, 21 jewels, Glucydur® balance, 21,600 alternations/hour. Incabloc® anti-shock device. Power reserve 3 days, two barrels, seconds reset device. 207 components*.

P.3002: Hand-wound mechanical, executed entirely by Panerai, 16½ lignes, 6.3 mm thick, 21 jewels, Glucydur® balance, 21,600 alternations/hour. Incabloc® anti-shock device. Power reserve 3 days, two barrels, seconds reset device.

^{*}The number of components varies according to the functions displayed on the watch.



Radiomir California 3 Days - 47mm



PAM00424



Radiomir S.L.C. 3 Days - 47mm

PAM00425

Radiomir 3 Days GMT Oro Rosso - 47mm



PAM00421







Luminor 1950 3 Days - 47mm Luminor Marina 1950 3 Days - 47mm



PAM00422



Luminor 1950 3 Days Power Reserve - 47mm



P.2002 MOVEMENT

The P.2002 hand-wound calibre is the progenitor of the P.2000 series and it takes its name from the year in which the project was launched to supply Panerai watches with movements entirely designed and developed in the Manufacture in Neuchâtel.

The P.2002 calibre consists of 247 components; it has 21 jewels and a thickness of 6.6 millimetres. Hand-wound and with a power reserve of 8 days with linear indicator on the dial, it has the characteristics peculiar to all the calibres of the P.2000 series: great structural strength; three spring barrels; GMT function with 24-hour indicator; seconds reset device; rapid adjustment of local time; free-sprung balance; balance wheel oscillating at 28,800 alternations per hour (a frequency which is unusual in a movement with a large power reserve). The three spring barrels in series, the design of which is an Officine Panerai patent, ensures the delivery of an even, optimal force which remains stable for 8 days, thus delivering a force which is constant for all the days of the power reserve. The P.2002 calibre also has the seconds reset device which resets the seconds hand to zero, enabling the watch to be synchronised perfectly

with a reference time signal. The operation of the system designed by Officine Panerai is very special: when the winding crown is pulled out to the second position, a thin blade moves into contact with the balance wheel, stopping it. At the same time, a small hammer lever moves downwards and acts on a heart-shaped cam which instantly moves the seconds hand to the zero position. As soon as the winding crown is returned to the normal position, the balance wheel is freed, the hammer lever is raised, thus releasing the cam, and the seconds hand resumes its normal course. This movement equips the Panerai Luminor 1950 8 Days GMT and the Radiomir 8 Days watches.

TECHNICAL SPECIFICATIONS:

Hand-wound mechanical, executed entirely by Panerai, 13¾ lignes, 6.6 mm thick, 21 jewels, Glucydur® balance, 28,800 alternations/hour. KIF Parechoc® anti-shock device. Power reserve 8 days with linear indicator, three barrels, seconds reset device. 247 components*.

*The number of components varies according to the functions displayed on the watch



Radiomir 8 Days Titanio - 45mm



PAM00346



Radiomir 8 Days Ceramica - 45mm Luminor 1950 8 Days GMT - 44mm



PAM00233



Luminor 1950 8 Days GMT Oro Rosa - 44mm



CONTEMPORARY COLLECTION 67

LUMINOR MARINA AUTOMATIC



The Luminor Marina Automatic range consists of watches with cases 44 mm or 40 mm in diameter, fitted with a Swiss automatic mechanical movement: the Panerai calibre OP III. The Luminor Marina Automatic 44mm is available with a case in polished or brushed steel with an alligator strap or with a case in brushed steel with metal bracelet. The 40mm version has a brushed steel case and is available with an alligator strap or with a metal bracelet.

The strap is made from selected alligator skins and is available in various colours, as well as black and brown.

The exclusive metal bracelet appears to be a perfect extension of the case. It has a special "suppleness" achieved by the particular way in which the links are shaped.

All Panerai Luminor Marina Automatic watches use a special device for changing the strap or the bracelet. A tool, supplied in the box, enables this operation to be carried out with simplicity and precision.

TECHNICAL SPECIFICATIONS:

Automatic mechanical movement, exclusive Panerai OP III calibre, 13¼ lignes, 21 jewels, PANERAI personalized oscillating weight. Glucydur® balance, 28,800 alternations/hour. Incabloc® anti-shock device. Power reserve 42 hours. Côtes de Genève decoration on the bridges. It is tested and certified by C.O.S.C.

Luminor Marina Automatic - 44mm



PAM00104



Luminor Marina Automatic - 44mm

PAM00164





Luminor Marina Automatic - 44mm

PAM00299

Luminor Marina Automatic - 40mm



PAM00048



Luminor Marina Automatic - 40mm

Luminor Marina Automatic - 40mm



PAM00298





LUMINOR SUBMERSIBLE

This watch is the development in the modern style of a model designed for the Egyptian Navy in 1956, which was fitted with an 8-day Angelus movement, a small seconds dial at 9 o'clock, a very large case, and a rotating bezel with reference markers enabling the duration of a dive to be quickly read. The new model inherits the historic model's striking personality, demonstrated by the watch's characteristic bezel, as well as by its reliability under extreme conditions of use. The movement of the bezel is of radial design, using a metal ring-shaped element which significantly improves the precision of the click, as well as ensuring that the bezel has the greatest possible resistance to wear and to high temperatures. Patent filed for this new system.

The adoption of an automatic mechanical movement gives it even greater functionality

than its forebear, a testimony to the continuous technical development carried out by Panerai with its constant dedication to achieving the highest standards of quality and reliability. All Panerai Luminor Submersible watches use a special device for changing the strap. A tool, supplied in the box, enables this operation to be carried out with simplicity and precision.

TECHNICAL SPECIFICATIONS:

Automatic mechanical movement, exclusive Panerai OP III calibre, 13¼ lignes, 21 jewels, PANERAI personalized oscillating weight. Glucydur® balance, 28,800 alternations/hour. Incabloc® anti-shock device. Power reserve 42 hours. Côtes de Genève decoration on the bridges. It is tested and certified by C.O.S.C.

Luminor Submersible - 44mm



PAM00024 Divers professional



Luminor Submersible Titanio - 44mm

PAM00025 Divers professional



LUMINOR GMT

This model takes its inspiration from the world of the sea. The zero or Greenwich meridian is of primary importance for navigators: the time at Greenwich is the reference for the calculations that enable longitude to be determined and therefore the position of a ship to be established. Very practical today, the GMT function of the Luminor Panerai enables the local time and the time elsewhere to be read simultaneously, signalled on the dial by an appropriate indicator. The automatic movement, calibre Panerai OP VIII makes this watch even more exclusive and unique, not only from the technical point of view but also at the aesthetic level, preserving the small seconds dial at 9 o'clock like the original. The model is available with a 44 mm case with

alligator strap or metal bracelet or 40 mm case with alligator strap.

All Panerai Luminor GMT watches use a special device for changing the strap or the bracelet. A tool, supplied in the box, enables this operation to be carried out with simplicity and precision.

TECHNICAL SPECIFICATIONS

Automatic mechanical movement, exclusive Panerai OP VIII calibre, 13¼ lignes, 21 jewels, PANERAI personalized oscillating weight. Glucydur® balance, 28,800 alternations/hour. Incabloc® anti-shock device. Power reserve 42 hours. Côtes de Genève decoration on the bridges. It is tested and certified by C.O.S.C.

Luminor GMT - 44mm



PAM00088



Luminor GMT - 44mm

PAM00297





Luminor GMT - 40mm

PAM00244

LUMINOR POWER RESERVE



The power reserve is a complication much appreciated by connoisseurs and enthusiasts of haute horlogerie.

It enables the amount of time remaining before it is necessary to wind the movement again to be checked at any moment, by reading the appropriate indicator on the dial.

This function has been perfected by the skill of Swiss master watchmakers who have created a transmission device in which the winding of the spring barrel and the rotation of the movement are linked by an indicator showing the power reserve.

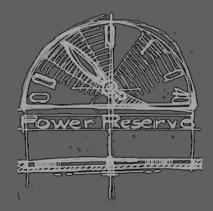
The display changes little by little as the spring transmits the stored energy to the train of the movement.

In the Panerai Luminor Power Reserve, this complex horological function is controlled by an exclusive automatic mechanical movement: the Panerai calibre OP IX.

All Panerai Luminor Power Reserve watches use a special device for changing the strap. A tool, supplied in the box, enables this operation to be carried out with simplicity and precision.

TECHNICAL SPECIFICATIONS:

Automatic mechanical movement, exclusive Panerai OP IX calibre, 13¼ lignes, 21 jewels, PANERAI personalized oscillating weight. Glucydur® balance, 28,800 alternations/hour. Incabloc® anti-shock device. Power reserve 42 hours. Côtes de Genève decoration on the bridges. It is tested and certified by C.O.S.C.



Luminor Power Reserve - 44mm



PAM00090



Luminor Power Reserve - 40mm

PAM00241

LUMINOR CHRONO



The Panerai Luminor Chrono, entirely made in AISI 316L stainless steel, is a high precision sports chronograph fitted with a movement with chronograph functions on three counters, the Panerai OP XII calibre.

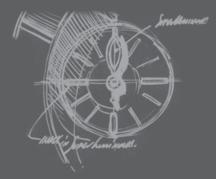
The inscription "Daylight", displayed on the dial at 12 o'clock brings back into the limelight a name reserved by Officine Panerai for a "very special" client.

Daylight is the title of a successful film starring Sylvester Stallone made a few years ago. Several series of Panerai watches bearing this name have been produced at the special request of the American actor.

All Panerai Luminor Chrono watches use a special device for changing the strap. A tool supplied in the box, enables this operation to be carried out with simplicity and precision.

TECHNICAL SPECIFICATIONS:

Automatic mechanical movement, exclusive Panerai OP XII calibre, 13¼ lignes, 27 jewels, PANERAI personalized oscillating weight. Glucydur® balance, 28,800 alternations/hour. Incabloc® anti-shock device. Power reserve 46 hours. Côtes de Genève decoration on the bridges. It is tested and certified by C.O.S.C.



Study for the Luminor Chrono Daylight 44 mm.





Luminor Chrono Daylight - 44mm

PAM00356



P.9000 - P.9001 - P.9002 MOVEMENTS

The P.9000 calibre created entirely by Officine Panerai and used in a series of Luminor 1950 and Radiomir models, is available in three versions - P.9000 (197 components), P.9001 (229 components) and P.9002 (237 components) - fitted with different functions, but they have in common an automatic winding with a 3-day power reserve and a special technical design which makes these movements immediately recognizable.

The calibres all have a diameter of 13¾ lignes and numerous features in common: two barrels which guarantee 72 hours of power reserve; a single piece rotor which winds by moving in both directions thanks to an automatic ratchet device; a balance wheel with adjustment screws, oscillating at a frequency of 4 Hz; a date display and stop balance wheel device which enables the time to be synchronized with a reference time signal.

To house these movements, a specially- made version of the Luminor 1950 case has been designed, keeping the proportions of the original but holding a slightly less convex sapphire crystal which only barely protrudes from the bezel.

TECHNICAL SPECIFICATIONS:

P.9000: Automatic mechanical, executed entirely by Panerai, 13% lignes, 7.9 mm thick, 28 jewels, Glucydur® balance, 28,800 alternations/hour. Incabloc® anti-shock device. Power reserve 3 days, two barrels. 197 components.

P.9001: Automatic mechanical, executed entirely by Panerai, 13¾ lignes, 7.9 mm thick, 29 jewels, Glucydur® balance, 28,800 alternations/hour. Incabloc® anti-shock device. Power reserve 3 days, two barrels, seconds reset device. 229 components.

P.9002: Automatic mechanical, executed entirely by Panerai, 13% lignes, 7.9 mm thick, 29 jewels, Glucydur® balance, 28,800 alternations/hour. Incabloc® anti-shock device. Power reserve 3 days, two barrels, seconds reset device. 237 components.



Radiomir Black Seal 3 Days Automatic - 45mm



PAM00388



Luminor Marina 1950 3 Days Automatic - 44mm



PAM00312



Luminor Marina 1950 3 Days Automatic - 44mm





Luminor Marina 1950 3 Days Automatic - 44mm Luminor Marina 1950 3 Days Automatic Titanio - 44mm



PAM00351



Luminor Marina 1950 3 Days Automatic Titanio - 44mm

PAM00352

Luminor Composite® Marina 1950 3 Days Automatic - 44mm



PAM00386



Luminor Marina 1950 3 Days Automatic - 42mm



PAM00392



Luminor Marina 1950 3 Days Automatic Oro Rosso - 42mm





Luminor Submersible 1950 3 Days Automatic Titanio - 47mm

PAM00305 Divers professional 114

Luminor 1950 3 Days GMT Automatic - 44mm



PAM00320



Luminor 1950 3 Days GMT Automatic - 44mm

PAM00329

Luminor 1950 3 Days GMT Automatic Ceramica - 44mm



PAM00441



TUTTONERO - Luminor 1950 3 Days GMT Automatic Ceramica - 44mm

PAM00438

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Luminor 1950 3 Days GMT Power Reserve Automatic - 44mm



PAM00321



Luminor 1950 3 Days GMT Power Reserve Automatic - 44mm



P.2003 MOVEMENT

The P.2003 was the first automatic movement entirely designed and created by the Officine Panerai Manufacture in Neuchâtel. It is an automatic calibre of advanced technical content with an unusually long power reserve of 10 days, displayed on the dial by a linear indicator. Made of 296 components and with 25 jewels, the P.2003 calibre is 13¾ lignes in diameter with a thickness of 8 mm. It has all the technical characteristics which form the DNA of the P.2000 series (free-sprung balance wheel with inertia regulation; 28,800 alternations per hour; three spring barrels; GMT function with 24-hour indication; rapid adjustment of local time; calendar; balance wheel stop; seconds reset device) but it is set apart by having automatic winding with a power reserve of 10 days, operated by an oscillating weight mounted on a ball bearing, which winds the springs of the barrels as it rotates in both directions. The P.2003 calibre also has the seconds reset device which resets the seconds hand to zero, enabling the watch to be synchronised perfectly with a reference time signal. The operation of the system designed by Officine Panerai is very special: when the winding crown is pulled out to the second position, a thin blade moves into contact with the balance

wheel, stopping it. At the same time, a small hammer lever moves downwards and acts on a heart-shaped cam which instantly moves the seconds hand to the zero position. As soon as the winding crown is returned to the normal position, the balance wheel is freed, the hammer lever is raised, thus releasing the cam, and the seconds hand resumes its normal course.

TECHNICAL SPECIFICATIONS:

Automatic mechanical, executed entirely by Panerai, 13¾ lignes, 8 mm thick, 25 jewels, Glucydur® balance, 28,800 alternations/hour. KIF Parechoc® anti-shock device. Power reserve 240 hours with linear indicator, three barrels, seconds reset device. 296 components*.

*The number of components varies according to the functions displayed on the







Radiomir 10 Days GMT - 47mm

PAM00323

Luminor 1950 10 Days GMT - 44mm



PAM00270



Luminor 1950 10 Days GMT Ceramica - 44mm



SPECIALITIES 129



P.2004 MOVEMENT

The P.2004 calibre is the first chronograph movement created entirely by the Panerai Manufacture, an expression of the quality of mechanical tradition applied to sports watches. The calibre P.2004 is a hand-wound mechanical movement with a power reserve of 8 days. It is a single-button column wheel chronograph which combines the start/stop/reset functions in a single push-piece. This push-piece is positioned at 8 o'clock so as to maintain the unmistakable appearance of Luminor watches, with the bridge protecting the winding crown, a distinctive feature of the design of Luminor cases. Its position also allows the most immediate control of the operations of the chronograph when making time measurements. The chronograph seconds hand is at the centre with the 30-minute counter at 3 o'clock, enabling the measurements themselves to be clearly read. But the heart of the movement consists of the sophisticated system for controlling the chronograph functions: the column wheel, a characteristic feature of high-quality chronographs, ensures the greatest precision in starting, stopping and resetting the chronograph hands. It is also equipped with the GMT function. The back of the Panerai Luminor 1950 8 Days Chrono Monopulsante GMT

reveals the structure of the movement with its separate bridges, their brushed finish with chamfered edges and the polished screws. It is available with a prushed steel titanium or ceramic case

TECHNICAL SPECIFICATIONS:

Hand-wound mechanical, executed entirely by Panerai, 13% lignes, 29 jewels, 3.2 mm thick, Glucydur® balance, 28,800 alternations/hour. KIF Parechoc® anti-shock device. Power reserve 8 days with linear indicator, three barrels, seconds reset device. Column wheel. 321 components.



Luminor 1950 Chrono Monopulsante 8 Days GMT - 44mm



PAM00275



Luminor 1950 Chrono Monopulsante 8 Days GMT Titanio - 44mm Luminor 1950 Chrono Monopulsante 8 Days GMT Ceramica - 44mm



PAM00317





The distinctive feature of the P.2005 calibre, entirely created by the Panerai Manufacture, is its sophisticated tourbillon, a device originally designed for pocket watches, interpreted in an innovative way by Officine Panerai to achieve more accurate timekeeping.

The tourbillon causes the balance wheel and escapement assembly to rotate continuously, thus correcting all the errors caused by gravity and possible friction. In the innovative Panerai tourbillon, the cage which contains the balance wheel and escapement rotates on an axis which is perpendicular to that of the balance wheel, rather than parallel to it. Also, while in a traditional tourbillon one rotation of the cage takes one minute; in the case of the Panerai P.2005 calibre the cage makes one rotation in 30 seconds. The greater speed and the particular arrangement of the balance wheel and escapement assembly enables it to compensate better for the running errors caused by the many vertical and horizontal positions of a wristwatch in the course of 24 hours.

The tourbillon cannot be seen from the dial side, but it is visible from the back of the watch; next to it is the indicator of the

P.2005 MOVEMENT

6-day power reserve, displayed by a hand which moves in a circular arc. On the dial, however, as discreet proof of the presence and correct operation of the tourbillon, a small coloured disc is in the subsidiary small-seconds dial. Linked to the tourbillon cage, this disc moves at the same speed as the cage and therefore completes two rotations per minute.

TECHNICAL SPECIFICATIONS

Hand-wound mechanical, executed entirely by Panerai, 16¼ lignes, 31 jewels, 9.1 mm thick, Glucydur® balance, 28,800 alternations/hour. KIF Parechoc® anti-shock device. Power reserve 6 days with indicator on the back, three barrels. 239 components.



Radiomir Tourbillon GMT Titanio - 48mm



PAM00315



Luminor 1950 Tourbillon GMT Titanio - 47mm

PAM00306





Luminor 1950 Tourbillon GMT Ceramica - 48mm

PAM00396



PANERAI TESTS FOR WATCHES WITH IN-HOUSE MOVEMENTS

In the course of their construction at the Panerai Manufacture, the in-house calibres—and the watches as a whole—are certified after undergoing several demanding final tests of its accuracy, regularity of operation, ageing and water-resistance.

RATE CONTROLS AND CTMP TEST

(CONTRÔLE TECHNIQUE DES MONTRES PANERAI)

Test carried out to check the regularity of operation of the movement combining the measurement of the average rate at a given moment and its stability in

CHRONOFIABLE® TEST (NIHS 93-20 STANDARD),

operation over time and in different positions of the watch.

ACCELERATION TEST (NIHS 91-10 AND NIHS 91-30 STANDARDS)

These consist of checks carried out over 21 consecutive days, during which

the movement is subjected to various dynamic stress cycles, to assess the resistance of all the components, the maintenance of a regular rate and of the correct functioning for the period indicated. The test cycle is equivalent to the use of the watch for about 6 months on the wearer's wrist.

in the above-mentioned 21 days), exposing the watch between 17°C and 57°C with 75% humidity.

AGEING TEST OF THE HAND-SETTING MECHANISM AND WINDING STEM This test is performed by carrying out a series of 1,000 cycles on the winding stem and the hand-setting mechanism, followed by a resistance test of the winding stem subjected to a force of 25N.

AGEING TEST OF THE WINDING MECHANISM

This test simulates the use of the watch for about 5 years.

ANTIMAGNETIC WATCH (ISO 764 STANDARD)

In the presence of magnetic fields of average intensity (4,800 A/m) the watch must continue to run regularly.

TESTS CARRIED OUT ON THE CASE

The quality of every single component of the case is checked. Then, after the case has been assembled, it undergoes its first test for water-resistance, to guarantee the protection it provides against the infiltration of dust and humidity. When the watch (case, movement and dial) has been assembled, it is tested again using various instruments to ensure the perfect water-resistance of your watch.

Moreover, the case undergoes: the thermal shock test to verify the resistance of the parts to sudden temperature variations; the damp heat test to determine the reliability of the watch under dampness and heat conditions; the salt spray test to check the corrosion resistance, and the synthetic sweat test to verify possible alterations by artificially simulating the conditions of use.

WATER-RESISTANCE TEST (ISO 22810 STANDARD)

The case of the watch is subjected to a long series of tests, carried out at various temperatures and according to procedures which ensure its complete water-resistance. To simulate the effects which could occur in the event of the watch being exposed to a shower or immersed in water for a long time, the case is initially tested by a vacuum apparatus, then it is placed in a little bath with a few centimetres of water for a set period of time. The water-resistance test is carried out by a special instrument which subjects the watch to a pressure significantly greater than the guaranteed value of water-resistance. Finally, the strict Panerai standards provide for a "water drop" test, which is performed by heating the case and placing a drop of cold water on the surface of the crystal protecting the dial. In this way, the possibility that there might be any moisture inside the case itself is eliminated.

THE WINDING CROWN. SHOCK RESISTANCE TEST

The test carried out on the winding crown consists of subjecting the crown itself to the shock of falling from a height of 50 cm, with the watch inclined at an angle

of 45°, thus unequivocally exposing this component to shocks. The crown must maintain its water-resistance in spite of the repeated shocks it undergoes.

RESISTANCE TEST OF THE DEVICE PROTECTING THE WINDING CROWN This test is performed by carrying out a series of 5,000 opening and closing cycles of the lever of the device protecting the winding crown.

AGEING TEST OF THE CHRONO PUSH-PIECE

This test is performed by carrying out a series of 3,000 cycles on the push-piece for the chronograph function, which correspond to 1 year of intensive use.

WEAR RESISTANCE TEST

This test is carried out by a series of cycles in which the crown is rotated in both directions (3,000 cycles) with a perpendicular force of 5N.

Information on Panerai's internal quality certification is included in the Certificates Booklet supplied with the watches with in-house movements.

The Certificates Booklet includes:
the watch ID
the international guarantee certificate
the international guarantee terms
the limited warranty terms
the international repair guarantee terms
the rate controls and CTMP test (Contrôle technique des montres Panerai)
the details of the tests carried out on the other components of the watch
the service book: it provides a chronology of all service interventions carried

The service seal and the signature at the bottom of each page confirm that the intervention was performed at the Panerai Manufacture or by an Authorised Panerai Service Centre.



For this reason Officine Panerai declares the number of watches manufactured in each year, and each piece is numbered.

C.O.S.C.

The C.O.S.C. Certificate is a certificate of accuracy issued by the Contrôle Officiel Suisse des Chronomètres (C.O.S.C.) to a movement which is certified as a chronometer (that is, a particularly accurate watch) by exceeding the standards set by the NIHS (Normes de l'Industrie Horlogère Suisse - Standards

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of the Swiss Watch Industry). To receive a chronometer certificate the movement undergoes 15 days of tests to measure the accuracy and consistency of its timekeeping in various positions and conditions of use and at different temperatures. Only movements recording an average daily rate variation between -4 and +6 seconds receive official certification from C.O.S.C.

THE PANERAI PRESENTATION CASE

Panerai watches are supplied with an exclusive craftsman-made presentation case executed in pear wood.

ACCESSORIES

The detailed technical and aesthetic research which marks every step of the creation of a Panerai watch has been constantly accompanied by an equivalent research into accessories

Panerai straps are perfectly integrated into the structure of the case. Their flexibility and resistance contribute to the overall quality of the watch. They are available in different colours, materials and sizes with tongue or adjustable buckle.

THE PANERAL STRAP

The strap is hypo-allergenic. Before going into production, samples of the straps are subjected to a series of extreme actions, by simulators which imitate the conditions of use over a period of several years.

Tests include resistance to traction, twisting (to check the relationship between stiffness and flexibility), abrasion (friction against rough surfaces measures the resistance of the strap and its colour), sweat (seven-day test carried out by rubbing the sample with a felt tip soaked in a strongly acid chemical solution), humidity and UV rays.

THE PANERAI METAL BRACELET

All the parts of the bracelet are formed from a solid block of metal by operations carried out by numerically controlled milling machines. After the quality of every single component has been checked, the non-removable part is assembled and laser-welded, then polishing is carried out by hand. Samples of the bracelets are subjected to a series of tests of overall ageing of the bracelet: alternating movements on the artificial wrists, traction and torsion, salt spray (according to standard ISO 9227), synthetic sweat (according to standard NIHS 96-50) and measurement of nickel release (according to standard EN 1811)

THE PANERAI CERAMIC BRACELE

The links of the ceramic bracelet are made out of injection moulding. After undergoing a series of manufacturing processes at high temperature, these links are assembled to create the bracelet.

Samples of the bracelets are subjected to a series of tests of overall ageing: alternating movements on the artificial wrists, traction and torsion, salt spray (according to standard ISO 9227), and synthetic sweat (according to standard NIHS 96-50).

Officine Panerai is not the owner of the trademarks Glucydur®, Incabloc®, KIF Parechoc® and Chronofiable®.

Page	Reference	Name	Material	Movement
16	PAM00000	Luminor Base Logo - 44mm	STEEL	OP I
17	PAM00005	Luminor Marina Logo - 44mm	STEEL	OP II
18	PAM00114	Luminor Base - 44mm	STEEL	OP X
19	PAM00112	Luminor Base - 44mm	STEEL	OP X
20	PAM00176	Luminor Base Titanio - 44mm	TITANIUM	OP X
24	PAM00113	Luminor Marina - 44mm	STEEL	OP XI
25	PAM00111	Luminor Marina - 44mm	STEEL	OP XI
26	PAM00177	Luminor Marina Titanio - 44mm	TITANIUM	OP XI
31	PAM00219	Luminor Base Left-Handed - 44mm	STEEL	OP X
35	PAM00380	Radiomir Black Seal Logo - 45mm	STEEL	OP II
36	PAM00183	Radiomir Black Seal - 45mm	STEEL	OP XI
37	PAM00292	Radiomir Black Seal Ceramica - 45mm	CERAMIC	OP XI
54 42	PAM00337	Radiomir - 42mm	STEEL	P.999/1
43	PAM00338	Radiomir Titanio - 42mm	TITANIUM	P.999/1
44	PAM00378	Radiomir Oro Rosa - 42mm	PINK GOLD	P.999
45	PAM00439	Radiomir Oro Rosso - 42mm	RED GOLD	P.999
50	PAM00424	Radiomir California 3 Days - 47mm	STEEL	P.3000
51	PAM00425	Radiomir S.L.C. 3 Days - 47mm	STEEL	P.3000
52	PAM00421	Radiomir 3 Days GMT Oro Rosso - 47mm	RED GOLD	P.3001
55	PAM00372	Luminor 1950 3 Days - 47mm	STEEL	P.3000
56	PAM00422	Luminor Marina 1950 3 Days - 47mm	STEEL	P.3001
57	PAM00423	Luminor 1950 3 Days Power Reserve - 47mm	STEEL	P.3002
62	PAM00346	Radiomir 8 Days Titanio - 45mm	TITANIUM	P.2002/9
63	PAM00384	Radiomir 8 Days Ceramica - 45mm	CERAMIC	P.2002/3
64	PAM00233	Luminor 1950 8 Days GMT - 44mm	STEEL	P.2002
65	PAM00289	Luminor 1950 8 Days GMT Oro Rosa - 44mm	PINK GOLD	P.2002

Functions	Power Reserve	Back	Water-resistance
Н, М	56H	SCREW	30 BAR
H, M, S	56H	SCREW	30 BAR
Н, М	56H	SAPPHIRE	30 BAR
Н, М	56H	SAPPHIRE	30 BAR
Н, М	56H	SAPPHIRE	30 BAR
H, M, S	56H	SAPPHIRE	30 BAR
H, M, S	56H	SAPPHIRE	30 BAR
H, M, S	56H	SAPPHIRE	30 BAR
H, M	56H	SAPPHIRE	30 BAR
H, M, S	56H	SCREW	10 BAR
H, M, S	56H	SAPPHIRE	10 BAR
H, M, S	56H	SCREW	10 BAR
H, M, S	60H	SAPPHIRE	10 BAR
H, M, S	60H	SAPPHIRE	10 BAR
H, M, S	60H	SAPPHIRE	10 BAR
H, M, S	60H	SAPPHIRE	10 BAR
H, M, D	72H	SAPPHIRE	10 BAR
Н, М	72H	SAPPHIRE	10 BAR
H, M, S, D, GMT, PR BACK, SR	72H	SAPPHIRE	5 BAR
Н, М	72H	SAPPHIRE	10 BAR
H, M, S, PR BACK, SR	72H	SAPPHIRE	10 BAR
H, M, S, PR, SR	72H	SAPPHIRE	10 BAR
H, M, S, D, PR BACK, SR	192H	SAPPHIRE	10 BAR
H, M, S, D, PR	192H	SAPPHIRE	10 BAR
H, M, S, D, GMT, 24H INDICATOR, PR, SR	192H	SAPPHIRE	10 BAR
H, M, S, D, GMT, 24H INDICATOR, PR, SR	192H	SAPPHIRE	10 BAR

	Page	Reference	Name	Material	Movement
	70	PAM00104	Luminor Marina Automatic - 44mm	STEEL	OP III
	71	PAM00164	Luminor Marina Automatic - 44mm	STEEL	OP III
	73	PAM00299	Luminor Marina Automatic - 44mm	STEEL	OP III
	74	PAM00048	Luminor Marina Automatic - 40mm	STEEL	OP III
	75	PAM00049	Luminor Marina Automatic - 40mm	STEEL	OP III
	76	PAM00298	Luminor Marina Automatic - 40mm	STEEL	OP III
	80	PAM00024	Luminor Submersible - 44mm	STEEL	OP III
	81	PAM00025	Luminor Submersible Titanio - 44mm	TITANIUM	OP III
	84	PAM00088	Luminor GMT - 44mm	STEEL	OP VIII
	85	PAM00297	Luminor GMT - 44mm	STEEL	OP VIII
	87	PAM00244	Luminor GMT - 40mm	STEEL	OP VIII
	90	PAM00090	Luminor Power Reserve - 44mm	STEEL	OP IX
156	91	PAM00241	Luminor Power Reserve - 40mm	STEEL	OP IX
	95	PAM00356	Luminor Chrono Daylight - 44mm	STEEL	OP XII
	100	PAM00388	Radiomir Black Seal 3 Days Automatic - 45mm	STEEL	P.9000
	102	PAM00312	Luminor Marina 1950 3 Days Automatic - 44mm	STEEL	P.9000
	103	PAM00328	Luminor Marina 1950 3 Days Automatic - 44mm	STEEL	P.9000
	105	PAM00359	Luminor Marina 1950 3 Days Automatic - 44mm	STEEL	P.9000
	106	PAM00351	Luminor Marina 1950 3 Days Automatic Titanio - 44mm	TITANIUM	P.9000
	107	PAM00352	Luminor Marina 1950 3 Days Automatic Titanio - 44mm	TITANIUM	P.9000
	108	PAM00386	Luminor Composite® Marina 1950 3 Days Automatic - 44mm	COMPOSITE	P.9000
	110	PAM00392	Luminor Marina 1950 3 Days Automatic - 42mm	STEEL	P.9000
	111	PAM00393	Luminor Marina 1950 3 Days Automatic Oro Rosso - 42mm	RED GOLD	P.9000
	113	PAM00305	Luminor Submersible 1950 3 Days Automatic Titanio - 47mm	TITANIUM	P.9000
	114	PAM00320	Luminor 1950 3 Days GMT Automatic - 44mm	STEEL	P.9001
	115	PAM00329	Luminor 1950 3 Days GMT Automatic - 44mm	STEEL	P.9001

Functions	Power Reserve	Back	Water-resistance
H, M, S, D	42H	SCREW	30 BAR
H, M, S, D	42H	SCREW	30 BAR
H, M, S, D	42H	SCREW	30 BAR
H, M, S, D	42H	SCREW	30 BAR
H, M, S, D	42H	SCREW	30 BAR
H, M, S, D	42H	SCREW	30 BAR
H, M, S, D, SUB	42H	SCREW	30 BAR
H, M, S, D, SUB	42H	SCREW	30 BAR
H, M, S, D, GMT	42H	SCREW	30 BAR
H, M, S, D, GMT	42H	SCREW	30 BAR
H, M, S, D, GMT	42H	SCREW	30 BAR
H, M, S, D, PR	42H	SCREW	30 BAR
H, M, S, D, PR	42H	SCREW	30 BAR
H, M, S, D, CH	46H	SCREW	10 BAR
H, M, S, D	72H	SAPPHIRE	10 BAR
H, M, S, D	72H	SAPPHIRE	30 BAR
H, M, S, D	72H	SAPPHIRE	30 BAR
H, M, S, D	72H	SAPPHIRE	30 BAR
H, M, S, D	72H	SAPPHIRE	30 BAR
H, M, S, D	72H	SAPPHIRE	30 BAR
H, M, S, D	72H	SAPPHIRE	30 BAR
H, M, S, D	72H	SAPPHIRE	10 BAR
H, M, S, D	72H	SAPPHIRE	5 BAR
H, M, S, D, SUB	72H	SAPPHIRE	30 BAR
H, M, S, D, GMT, PR BACK, SR	72H	SAPPHIRE	30 BAR
H, M, S, D, GMT, PR BACK, SR	72H	SAPPHIRE	30 BAR

Page	Reference	Name	Material	Movement
116	PAM00441	Luminor 1950 3 Days GMT Automatic Ceramica - 44mm	CERAMIC	P.9001
117	PAM00438	TUTTONERO - Luminor 1950 3 Days GMT Automatic Ceramica - 44mm	CERAMIC	P.9001/B
118	PAM00321	Luminor 1950 3 Days GMT Power Reserve Automatic - 44mm	STEEL	P.9002
119	PAM00347	Luminor 1950 3 Days GMT Power Reserve Automatic - 44mm	STEEL	P.9002
125	PAM00323	Radiomir 10 Days GMT - 47mm	STEEL	P.2003/6
126	PAM00270	Luminor 1950 10 Days GMT - 44mm	STEEL	P.2003
127	PAM00335	Luminor 1950 10 Days GMT Ceramica- 44mm	CERAMIC	P.2003
134	PAM00275	Luminor 1950 Chrono Monopulsante 8 Days GMT - 44mm	STEEL	P.2004
135	PAM00311	Luminor 1950 Chrono Monopulsante 8 Days GMT Titanio - 44mm	TITANIUM	P.2004
136	PAM00317	Luminor 1950 Chrono Monopulsante 8 Days GMT Ceramica - 44mm	CERAMIC	P.2004
142	PAM00315	Radiomir Tourbillon GMT Titanio - 48mm	TITANIUM	P.2005
143	PAM00306	Luminor 1950 Tourbillon GMT Titanio - 47mm	TITANIUM	P.2005
145	PAM00396	Luminor 1950 Tourbillon GMT Ceramica - 48mm	CERAMIC	P.2005/B

Functions			
Н	HOURS		
M	MINUTES		
S	SMALL SECONDS		
D	DATE		
GMT	SECOND TIME ZONE		
PR	POWER RESERVE INDICATOR		
PR BACK	POWER RESERVE INDICATOR ON THE BACK		
SR	SECONDS RESET		
SUB	CALCULATION OF IMMERSION TIME		
CH	CHRONOGRAPH		
CH MONO	SINGLE-BUTTON CHRONOGRAPH		

Functions	Power Reserve	Back	Water-resistance
H, M, S, D, GMT, PR BACK, SR	72H	SAPPHIRE	10 BAR
H, M, S, D, GMT, PR BACK, SR	72H	SAPPHIRE	10 BAR
H, M, S, D, GMT, PR, SR	72H	SAPPHIRE	30 BAR
H, M, S, D, GMT, PR, SR	72H	SAPPHIRE	30 BAR
H, M, S, D, GMT, 24H INDICATOR, PR, SR	240H	SAPPHIRE	10 BAR
H, M, S, D, GMT, 24H INDICATOR, PR, SR	240H	SAPPHIRE	10 BAR
H, M, S, D, GMT, 24H INDICATOR, PR, SR	240H	SAPPHIRE	10 BAR
H, M, S, GMT, 24H INDICATOR, PR, SR, CH MONO	192H	SAPPHIRE	10 BAR
H, M, S, GMT, 24H INDICATOR, PR, SR, CH MONO	192H	SAPPHIRE	10 BAR
H, M, S, GMT, 24H INDICATOR, PR, SR, CH MONO	192H	SAPPHIRE	10 BAR
H, M, S, GMT, 24H INDICATOR, PR BACK, TOURBILLON	144H	SAPPHIRE	10 BAR
H, M, S, GMT, 24H INDICATOR, PR BACK, TOURBILLON	144H	SAPPHIRE	10 BAR
H, M, S, GMT, 24H INDICATOR, PR BACK, TOURBILLON	144H	SAPPHIRE	10 BAR

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