

# HOROLOGICAL MACHINE N°10 BULLDOG

MB&F



Forget the dog  
Beware of the owner



#### SUMMARY

#### INSPIRATIONS FOR HM10 BULLDOG

#### MORE ABOUT THE HM10 ENGINE

#### TECHNICAL SPECS

#### FRIENDS RESPONSIBLE FOR HM10 BULLDOG

#### MB&F – GENESIS OF A CONCEPT LABORATORY

FOR FURTHER INFO:  
CHARRIS YADIGAROGLOU  
CY@MBANDF.COM  
ARNAUD LEGERET  
ARL@MBANDF.COM  
MB&F / GENEVA, SWITZERLAND  
TEL: +41 22 508 10 38

# HOROLOGICAL MACHINE N°10

#### SUMMARY

The relationship between man and watch is as nuanced as the one between man and dog. The best examples of such connections last for years, even decades, shaping lives and stories. In some cases, the watch chooses its owner as much as the other way around. After all, whether it's your first or hundredth time, there's something special about the moment you set eyes on The One. So it is, as they say, with Man's Best Friend. Presenting Horological Machine N°10 'Bulldog'.

A rounded, compact body of titanium or red gold, coupled with a generous ration of sapphire crystal. Two prominent aluminium time-display "eyes", rolling at anyone who dares look its way. A collar studded with projections that allow you to wind the mainspring or set the time. Stout but flexible "legs" that wrap firmly around your wrist. A massive jaw. And above all, a big heart beating steadily at 2.5Hz (18,000vph).

Just like the creature for which it is named, there's more to HM10 Bulldog than meets the eye. Its hinged jaws open and shut according to the amount of wind left in its mainspring — a fully closed mouth tells you that "Bulldog" is wound down and ready for a nap. If you can clearly see the rows of shining teeth lining the jaws, get ready, because that means "Bulldog" is full of fight, charged up with a 45 hours of mainspring energy. This massive power-reserve indication has been carefully designed and calibrated to consume the least energy possible, allowing HM10 Bulldog to direct its considerable mainspring torque solely towards its suspended balance and its revolving hour and minute domes.

The manual-winding engine of HM10 Bulldog was designed and developed in-house, leveraging the best of MB&F's technical expertise built up over the years; longtime members of the MB&F Tribe will recognise elements that hew closely to the horological lab's best-loved creations. The large suspended balance that hovers just beneath the central dome of sapphire crystal was made possible by the various iterations of this mechanism in the Legacy Machine collection. The massive jaws that indicate the level of mainspring wind are a much-expanded demonstration of the power-reserve management that was first deployed in the 2014 LM1 Xia Hang. The paper-thin aluminium domes have their roots in the HM3 Frog and were refined in 2014's HM6. Even the grillework design motif in the "ribs" set beneath the balance and in the tail-end of the body echoes the automotive-inspired HM8, HMX and HM5. Taken altogether, the message is clear: HM10 Bulldog is a highly bred machine.

Despite its outsize personality — measuring 45mm across, 54mm from nose to tail and with a maximum height of 24mm — HM10 Bulldog is surprisingly wearable. Its sprung

strap attachment "legs" allow the body to fit closely around the wrist, with the calf-leather strap as robust as any well-made leash — fastened with either a folding buckle or Velcro system. Available in both titanium and a combination of titanium and red gold, HM10 Bulldog is assembled with highly distilled expertise in micro-mechanical engineering. Fitting the requisite elements of timekeeping and time display within such a limited three-dimensional volume, while maintaining top levels of artistry and finish, requires careful balance between technical and aesthetic factors.

MB&F creations have always attracted a highly loyal audience and HM10 Bulldog returns the favour in spades: its allegiances go solely to its owner. Both the time indication and the power reserve display are visible only from the point of view of the wearer.

One final piece of advice for those who come across Horological Machine N°10 'Bulldog' is engraved on its body, like a cautionary message you might find on the collar of a particularly feisty canine. The beast may be intimidating, but it ultimately exists in service of another. People would do well to remember — "Forget the dog, beware of the owner".

MB&F Horological Machine N°10 'Bulldog' is available in two launch editions: grade 5 titanium body with blue "eyes", and 18k red-gold and titanium body with black "eyes".

WWW.MBANDF.COM



HOROLOGICAL MACHINE N°10 'Bulldog'



#### SUMMARY

INSPIRATIONS FOR HM10 BULLDOG

MORE ABOUT THE HM10 ENGINE

TECHNICAL SPECS

FRIENDS RESPONSIBLE FOR HM10 BULLDOG

MB&F – GENESIS OF A CONCEPT LABORATORY

#### FOR FURTHER INFO:

CHARRIS YADIGAROGLOU

[CY@MBANDF.COM](mailto:CY@MBANDF.COM)

ARNAUD LEGERET

[ARL@MBANDF.COM](mailto:ARL@MBANDF.COM)

MB&F / GENEVA, SWITZERLAND

TEL: +41 22 508 10 38

# HOROLOGICAL MACHINE N°10

#### INSPIRATIONS FOR HM10 BULLDOG

The design came to Maximilian Büsser while he was travelling in Japan; Horological Machine N°10 'Bulldog' bounded up in his mind's eye just as a loyal pup might greet a returning master.

*"What you see now in front of you is more or less exactly what I saw at the time," says Büsser, "and it was the first time I actually saw a watch in my mind, just like that."*

HM10 Bulldog coalesced from various MB&F influences and motifs that dedicated enthusiasts of the brand will immediately recognise. In a deeply affirmative way, HM10 Bulldog is simultaneously a reflection of MB&F and a paean to the fidelity of their followers. The traditional saying "as stubborn as a bulldog" parallels the determination of MB&F to chart an untraditional path outside of conventional watch design, sometimes with creations that have polarised the horological community. In similar vein, the British bulldog may be a dog of pedigree and stature, but it is certainly no crowd-pleaser.

The Latin root for the word "animal" is anima, meaning "soul" or "spirit"; the enlivening element. Little wonder that the MB&F creations that draw inspiration from the natural world — such as Horological Machine N°3 'Frog' and Horological Machine N°7 'Aquapod' — have also provoked some of the strongest responses. HM10 Bulldog follows this evocative path, with its large eyes, expressively mobile mouth and exposed heart.

#### MORE ABOUT THE HM10 ENGINE

The mechanics driving Horological Machine N°10 'Bulldog' are entirely new but deeply familiar. Completely designed and developed in-house, the HM10 engine is the technical confluence of the various areas of movement expertise at MB&F, honed over years of experience.

The eye-catching balance, suspended beneath the central sapphire crystal dome and beating at the traditional cadence of 2.5Hz (18,000vph), first appeared in an MB&F creation in 2011, with the debut of Legacy Machine N°1. Since then, this technically challenging mechanism has become a unique icon of MB&F, appearing in the majority of Legacy Machines, Horological Machine N°9, and now HM10 Bulldog.

Powerful and startling, the revolving time-telling domes of HM10 Bulldog originated in the conical hour and minute-modules of the first Horological Machine N°3, the creation that cemented MB&F's reputation as a disruptive horological force. Subsequently, the cones took on rounded forms in HM3 'Frog', but the one factor that remained constant was the urgent need to make them as light as possible, so that

they placed minimal stress on the rest of the engine. Conventional milling processes were reworked and tolerances were sliced micro-fine in order to produce paper-thin aluminium components in three dimensions. These components later appeared again in Horological Machine N°6, this time paired with conical gearing to enable the highly precise display of time.

The 301-component HM10 engine is manual-winding, with a single barrel that imparts 45 hours of power reserve, indicated by the opening and shutting of external hinged jaws. Whereas conventional examples of power-reserve display will aim for a simple hand indicator that consumes as little energy as possible, HM10 Bulldog has chosen to make a statement of strength with its impossible-to-miss display. Separate crowns are actuated for winding and time-setting, located towards the rear of the HM10 Bulldog body.





#### SUMMARY

INSPIRATIONS FOR HM10 BULLDOG

MORE ABOUT THE HM10 ENGINE

TECHNICAL SPECS

FRIENDS RESPONSIBLE FOR HM10 BULLDOG

MB&F – GENESIS OF A CONCEPT LABORATORY

# HOROLOGICAL MACHINE N°10

## HM10 BULLDOG – TECHNICAL SPECS

Horological Machine N°10 'Bulldog' is available in two versions:

- Ti version: grade 5 titanium case with blue hour and minute domes;
- RT version: 18k red gold and titanium case with black hour and minute domes.

### ENGINE

Manual-winding in-house movement  
Frequency: 2.5Hz (18,000bph)  
Bespoke flying 14mm balance wheel with four traditional regulating screws floating above the domed dials  
Super-LumiNova on the hour and minute domes and markers  
Single barrel with 45 hours of power reserve  
301 components, 34 jewels  
Left crown at 11 o'clock for winding; right crown at 1 o'clock for setting the time

### FUNCTIONS & INDICATIONS

Hours on left dome (aluminium dome rotating in 12 hours)  
Minutes on right dome (aluminium dome rotating in 60 minutes)  
Power reserve indicated in 3D by the opening and closing of the jaws (end of power reserve = closed jaws).

### CASE

Version Ti: grade 5 titanium  
Version RT: 18k 5N+ red gold and grade 5 titanium  
Dimensions: 54mm × 45mm × 24mm  
Water resistant to 5ATM / 50m / 160ft

### SAPPHIRE CRYSTALS

2 sapphire crystals treated with anti-reflective coating on both sides

### STRAP AND BUCKLE

RT version: hand-stitched brown calf-leather strap with custom-designed red gold folding buckle.  
Ti version: hand-stitched blue calf-leather strap with Velcro system and titanium buckle.

FOR FURTHER INFO:  
CHARRIS YADIGAROGLOU  
CY@MBANDE.COM  
ARNAUD LEGERET  
ARL@MBANDE.COM  
MB&F / GENEVA, SWITZERLAND  
TEL: +41 22 508 10 38

WWW.MBANDE.COM



HOROLOGICAL MACHINE N°10 'Bulldog'



#### SUMMARY

#### INSPIRATIONS FOR HM10 BULLDOG

#### MORE ABOUT THE HM10 ENGINE

#### TECHNICAL SPECS

#### FRIENDS RESPONSIBLE FOR HM10 BULLDOG

#### MB&F – GENESIS OF A CONCEPT LABORATORY

# HOROLOGICAL MACHINE N°10

## FRIENDS RESPONSIBLE FOR HM10 BULLDOG

**Concept:** Maximilian Büsser / MB&F

**Design:** Eric Giroud / Through the Looking Glass

**Technical and production management:** Serge Kriknoff / MB&F

**R&D:** Simon Brette, Ruben Martinez and Thomas Lorenzato / MB&F

**Movement development:** Simon Brette / MB&F

**Case:** Riccardo Pescante / Les Artisans Boîtiers

**Sapphire crystals:** Sylvain Stoller / Novo Crystal

**Anti-reflection treatment for sapphire crystals:** Anthony Schwab / Econorm

**Precision turning of wheels, pinions and axes:** Paul André Tendon / Bandi, Jean-François Mojon / Chronode, Daniel Gummy / Decobar Swiss, Atokalpa and Le Temps Retrouvé

**Springs and jumper:** Alain Pellet / Elefil Swiss

**Balance wheel:** Andreas Kurt / Precision Engineering

**Balance spring:** Stefan Schwab / Schwab-Feller

**Barrel:** Daniel Gummy / Decobar Swiss

**Plates, bridges and indexes:** Benjamin Signoud / Amecap, Alain Lemarchand and Jean-Baptiste Prétot / MB&F, Marc Bolis / 2B8

**Hand-finishing of movement components:** Jacques-Adrien Rochat and Denis Garcia / C.-L. Rochat

**PVD-treatment:** Pierre-Albert Steinmann / Positive Coating

**Buckle:** G&F Châtelain

**Crowns:** Cheval Frères

**Dials (hours and minutes domes):** Hassan Chaïba and Virginie Duval / Les Ateliers d'Hermès Horlogers

**Movement assembly:** Didier Dumas, Georges Veisy, Anne Guiter, Emmanuel Maitre and Henri Porteboeuf / MB&F

**In-house machining:** Alain Lemarchand and Jean-Baptiste Prétot / MB&F

**Quality control:** Cyril Fallet / MB&F

**After-Sales Service:** Thomas Imberti / MB&F

**Strap:** Multicuir

**Presentation box:** Olivier Berthon / Soixanteetonz

**Logistics and production:** David Lamy and Isabel Ortega / MB&F

**Marketing & Communication:** Charris Yadigaroglou, Virginie Toral and Arnaud Légeret / MB&F

**M.A.D. Gallery:** Hervé Estienne and Juliette Duru / MB&F

**Sales:** Thibault Verdonckt, Virginie Marchon and Jean-Marc Bories / MB&F

**Graphic design:** Samuel Pasquier / MB&F, Adrien Schulz and Gilles Bondallaz / Z+Z

**Watch photography:** Maarten van der Ende and Alex Teuscher

**Portrait photography:** Régis Golay / Federal

**Webmasters:** Stéphane Balet / Nord Magnétique, Victor Rodriguez and Mathias Muntz / Nimeo

**Film:** Marc-André Deschoux / MAD LUX and RJ41

**Texts:** Suzanne Wong / WorldTempus

#### FOR FURTHER INFO:

CHARRIS YADIGAROGLU

CY@MBANDF.COM

ARNAUD LEGERET

ARL@MBANDF.COM

MB&F / GENEVA, SWITZERLAND

TEL: +41 22 508 10 38

MB&F





# HOROLOGICAL MACHINE N°10

## SUMMARY

### INSPIRATIONS FOR HM10 BULLDOG

### MORE ABOUT THE HM10 ENGINE

### TECHNICAL SPECS

### FRIENDS RESPONSIBLE FOR HM10 BULLDOG

### MB&F – GENESIS OF A CONCEPT LABORATORY

#### MB&F – GENESIS OF A CONCEPT LABORATORY

Founded in 2005, MB&F is the world's first-ever horological concept laboratory. With almost 20 remarkable calibres forming the base of the critically acclaimed Horological and Legacy Machines, MB&F is continuing to follow Founder and Creative Director Maximilian Büsser's vision of creating 3-D kinetic art by deconstructing traditional watchmaking. After 15 years managing prestigious watch brands, Maximilian Büsser resigned from his Managing Director position at Harry Winston in 2005 to create MB&F – Maximilian Büsser & Friends. MB&F is an artistic and micro-engineering laboratory dedicated to designing and crafting small series of radical concept watches by bringing together talented horological professionals that Büsser both respects and enjoys working with.

In 2007, MB&F unveiled its first Horological Machine, HM1. HM1's sculptured, three-dimensional case and beautifully finished engine (movement) set the standard for the idiosyncratic Horological Machines that have followed – all Machines that tell the time, rather than Machines to tell the time. The Horological Machines have explored space (HM2, HM3, HM6), the sky (HM4, HM9), the road (HM5, HMX, HM8) and water (HM7).

In 2011, MB&F launched its round-cased Legacy Machine collection. These more classical pieces – classical for MB&F, that is – pay tribute to nineteenth-century watchmaking excellence by reinterpreting complications from the great horological innovators of yesteryear to create contemporary objets d'art. LM1 and LM2 were followed by LM101, the first MB&F Machine to feature a movement developed entirely in-house. LM Perpetual, LM Split Escapement and LM Thunderdome broadened the collection further. 2019 marked a turning point with the creation of the first MB&F Machine dedicated to women: LM FlyingT. MB&F generally alternates between launching contemporary, resolutely unconventional Horological Machines and historically inspired Legacy Machines.

As the F stands for Friends, it was only natural for MB&F to develop collaborations with artists, watchmakers, designers and manufacturers they admire.

This brought about two new categories: Performance Art and Co-creations. While Performance Art pieces are MB&F machines revisited by external creative talent, Co-creations are not wristwatches but other types of machines, engineered and crafted by unique Swiss Manufactures from MB&F ideas and designs. Many of these Co-creations, such as the clocks created with L'Épée 1839, tell the time while collaborations with Reuge and Caran d'Ache generated other forms of mechanical art.

To give all these machines an appropriate platform, Büsser had the idea of placing them in an art gallery alongside various forms of mechanical art created by other artists, rather than in a traditional storefront. This brought about the creation of the first MB&F M.A.D. Gallery (M.A.D. stands for Mechanical Art Devices) in Geneva, which would later be followed by M.A.D. Galleries in Taipei, Dubai and Hong Kong.

There have been distinguished accolades reminding us of the innovative nature of MB&F's journey so far. To name a few, there have been no less than 5 Grand Prix awards from the famous Grand Prix d'Horlogerie de Genève: in 2019, the prize for Best Ladies Complication went to the LM FlyingT, in 2016, LM Perpetual won the Best Calendar Watch award; in 2012, Legacy Machine No.1 was awarded both the Public Prize (voted for by horology fans) and the Best Men's Watch Prize (voted for by the professional jury). In 2010, MB&F won Best Concept and Design Watch for the HM4 Thunderbolt. In 2015 MB&F received a Red Dot: Best of the Best award – the top prize at the international Red Dot Awards – for the HM6 Space Pirate.

FOR FURTHER INFO:  
**CHARRIS YADIGAROGLOU**  
**CY@MBANDF.COM**  
**ARNAUD LEGERET**  
**ARL@MBANDF.COM**  
**MB&F / GENEVA, SWITZERLAND**  
**TEL: +41 22 508 10 38**

WWW.MBANDF.COM

#### FOLDER CONTENT

[Click here to access the press release in other languages](#)  
 + [all product images \(low and high resolution\).](#)

#### RED GOLD AND TITANIUM



HM10 BULLDOG RT FACE | HM10 BULLDOG RT FRONT | HM10 BULLDOG RT | HM10 BULLDOG RT BACK | HM10 BULLDOG RT PROFILE | HM10 BULLDOG RT OPEN/CLOSE | HM10 BULLDOG RT REAR



HM10 BULLDOG RT PACKSHOT WHITE | HM10 BULLDOG RT TOP WHITE | HM10 BULLDOG RT PROFILE WHITE



HM10 BULLDOG TI FACE | HM10 BULLDOG TI FRONT | HM10 BULLDOG TI | HM10 BULLDOG TI BACK | HM10 BULLDOG TI PROFILE | HM10 BULLDOG TI OPEN/CLOSE

#### IN SITU



HM10 BULLDOG WRISTSHOT 1 | HM10 BULLDOG WRISTSHOT 2 | HM10 BULLDOG WRISTSHOT 3 | HM10 BULLDOG WRISTSHOT 4

#### FILM



HM10 BULLDOG

#### MAXIMILIAN BÜSSER



MAXIMILIAN BÜSSER PORTRAIT  
 Copyright Hung @ HS Production

#### FRIENDS



HM10 BULLDOG FRIENDS PORTRAIT | HM10 BULLDOG FRIENDS LANDSCAPE



FOLLOW US ON SOCIAL MEDIA @MBANDF



WECHAT