

INGENIEUR

SINCE 1955



THE FIRST TIME THE HALLMARKS OF THE WATCH FAMILY'S DESIGN ARE FEATURED TOGETHER:
INGENIEUR SL, REFERENCE 1832, LAUNCHED IN 1976



In the early 1970s, a diver's helmet inspired freelance watch designer Gérald Genta to adopt a distinctly modernist, technical approach that was to revolutionize watch design. Instead of trying to conceal the screws or functional bores, he left them plain for all to see on the bezel. For IWC Schaffhausen Gérald Genta designed the legendary Ingenieur SL, Reference 1832, which was launched in 1976. Its eye-catching design stood for masculine values: it was rugged and sporty with an undeniably technical appeal, and has influenced the appearance of the Ingenieur watch family to this day.

The Ingenieur watch family's success story, incidentally, began back in the 1950s. An increasing number of technical appliances generated magnetic fields that adversely affected the accuracy of wristwatches. Engineers, in particular, often worked in areas subject to magnetic fields. By this time, IWC had perfected protection against magnetic fields to the point that making a new watch line especially for this profession seemed like a good idea. And so the Ingenieur was born.

The first Ingenieur, unveiled in 1955, was equipped with the first bidirectional automatic movement, developed by the then Technical Director, Albert Pellaton. The Pellaton system winds the movement when the rotor is revolving in either direction, making it significantly more efficient than conventional unidirectional mechanisms. In the late 1950s, the design of the movements used in the Ingenieur watches was successively improved. In the 1970s and 1980s, quartz watches reigned supreme on the world's watch markets. Even IWC equipped certain Ingenieur models with quartz-regulated oscillators. Technical masterpieces like the Ingenieur SL, which was just 10 millimetres thick, or the Ingenieur Automatic "500,000 A/m" with its possibly record-breaking level of protection against magnetic fields, were the outstanding features of this period in the Ingenieur's history, as was the introduction of titanium for cases.

In 2005, the watch family celebrated a stirring comeback. The Ingenieur Automatic assumed the cool, engineering-inspired aura of Gérald Genta's Ingenieur SL. The IWC-manufactured 80110 calibre with its Pellaton winding system also featured an

IWC HAS MAINTAINED ITS POSITION AS ONE OF THE LEADERS IN TITANIUM SURFACE FINISHING TO THIS DAY

integrated shock-absorption system. To mark the partnership between IWC and Mercedes AMG, IWC unveiled two Ingenieur models in titanium. They underscore the values shared by the technology specialists in Schaffhausen and Affalterbach: precision, performance and engineering expertise.

The Ingenieur collection, which was completely redesigned in 2013, centred entirely on the cooperation with the MERCEDES AMG PETRONAS Formula One™ Team. The technological highlight was the Ingenieur Constant-Force Tourbillon with its patented constant-force mechanism. It first appeared in a rare combination of materials – platinum and ceramic – and is complemented in 2015 with a model in a red gold and ceramic case. Another example of exceptional design was the quick-action switch found in the Ingenieur Perpetual Calendar Digital Date-Month, which moves up to five display discs simultaneously. Its case is made of titanium aluminide. This watch will also be available in an 18-carat red gold and titanium aluminide case from 2015. The technical materials used in this Ingenieur line – titanium aluminide, carbon, ceramic and titanium – were inspired by those frequently found in FORMULA ONE.

In appearance, the classic design line with the stainless-steel case and characteristic drill holes are in line with the tradition of the Ingenieur SL launched in 1976. Elegant, functional and technologically perfect, it distils all that is best from almost 60 years of performance engineering in the Ingenieur family.



A POWERFUL DRIVE TO DELIVER MORE TORQUE

With the spectacular Ingenieur Constant-Force Tourbillon, IWC now leads the field in the constructors' championship of haute horlogerie. This precision machine's patented constant-force mechanism is integrated in a tourbillon and ensures that the amplitude of the balance remains virtually constant. It guarantees an extremely precise rate over a period of at least 48 hours. The 94800-calibre movement features two barrels, which provide the energy for the higher torque required to drive the constant-force tourbillon. It also provides the moon phase module with the necessary power. The double moon display depicts the surface of the earth's natural satellite so realistically that even tiny craters can be recognized. The countdown display shows the number of days remaining until the next full moon. The power reserve display between "4" and "5 o'clock" indicates the energy remaining in the mainspring. The watch is available in a platinum and ceramic case and from this year on, in an 18-carat red gold and ceramic case. The design on the movement side, visible through the transparent sapphire-glass back, was inspired by a sports car's engine block. Perforations provide a clear view of the intermeshing gears: performance engineering for purists.



Precision assembly: tourbillon with patented constant-force mechanism

INGENIEUR CONSTANT-FORCE TOURBILLON

REFERENCE 5900



REF. IW590001

in platinum and ceramic with black rubber strap
and black alligator leather inlay



REF. IW590002

in 18-carat red gold and ceramic with black rubber strap
and black alligator leather inlay

Limited edition of 50 watches each · Mechanical movement · Hand-wound · IWC-manufactured 94800 calibre (94000-calibre family) · 96-hour power reserve when fully wound · Power reserve display · Perpetual moon phase display · Double moon phases for the northern and southern hemispheres · Countdown display showing phases until next full moon · Tourbillon with integrated constant-force mechanism · Screw-in crown · Sapphire glass, flat, antireflective coating on both sides · See-through sapphire-glass back · Water-resistant 12 bar · Case height 14 mm · Diameter 46 mm

TITANIUM MEETS ALUMINIUM AND GOLD

In 2013, with the Ingenieur Perpetual Calendar Digital Date-Month, IWC presented a watch case made of titanium aluminide and reaffirmed its reputation as the materials pioneer in the watchmaking industry. Titanium aluminide is used widely in motorsport: the alloy is lighter and more robust than pure titanium. From 2015, the timepiece is also available in 18-carat red gold. The black parts of the case are made of zirconium oxide, yet another material typically associated with FORMULA ONE. Modern racing cars have a boost button designed to provide maximum thrust when needed. In the case of the perpetual calendar with its digital date and leap year indicator, this job is handled by IWC's revolutionary quick-action switch. Every night, when the date display advances, this sophisticated mechanism siphons off a little energy, stores it and then discharges it precisely at the end of the month to rotate the display discs. At the end of the year, no fewer than five display discs need to be advanced synchronously. On New Year's Eve, thanks to the three semi-transparent totalizers, the entire dial is set in motion – a spectacle of such technical brilliance that no one who appreciates complex mechanical systems will want to miss. The see-through sapphire-glass back provides an unimpeded view of the IWC-manufactured 89802 calibre, whose rotor resembles the spokes on a light alloy wheel rim.



INGENIEUR PERPETUAL CALENDAR DIGITAL DATE-MONTH

REFERENCE 3792



REF. IW379201

in titanium aluminide with black rubber strap
and black alligator leather inlay



REF. IW379203

in 18-carat red gold and titanium aluminide with
black rubber strap and black alligator leather inlay

Limited edition of 100 watches in 18-carat red gold and titanium aluminide · Mechanical chronograph movement ·
Self-winding · IWC-manufactured 89802 calibre (89000-calibre family) · 68-hour power reserve when
fully wound · Perpetual calendar · Large double-digit displays for both the date and month · Leap year display ·
Stopwatch function with hours, minutes and seconds · Hour and minute counters combined in a totalizer
at 12 o'clock · Flyback function · Small hacking seconds · Screw-in crown · Sapphire glass, flat, antireflective coating on
both sides · See-through sapphire-glass back · Water-resistant 12 bar · Case height 17 mm · Diameter 46 mm



HIGH TECHNOLOGY AND CRAFTSMANSHIP

These two seriously high-tech machines each feature a material primarily associated with FORMULA ONE: carbon and ceramic. In the Ingenieur Automatic Carbon Performance Ceramic with its carbon case and ceramic bezel, even the dial is lined with carbon fibre. The glass fibre matting is soaked in epoxy resin and shaped to the desired form before being baked at a high temperature and pressure. Finally, the resin is cured. The rubber strap with calfskin inlay is stitched with green nylon thread reminiscent of the sidewalls of tyres used on wet circuits. The Ingenieur Automatic AMG Black Series Ceramic boasts the same outstanding features as a Mercedes AMG: exclusiveness and high performance combined with everyday practicality, reliability and quality. The case, which is water-resistant to 12 bar, the bezel, the case-back ring, the crown and its solid protective shoulders are all made of the black zirconium oxide inspired by the high-performance ceramic disc brakes found in premium AMG vehicles. Both models are equipped with the in-house 80110-calibre, one of the most rugged movements manufactured by IWC. Thanks to its integrated shock-absorption system, it is unaffected by extreme acceleration as well as sharp braking manoeuvres and vibrations, making it the perfect watch for racing drivers.



INGENIEUR AUTOMATIC CARBON PERFORMANCE CERAMIC

REFERENCE 3224



REF. IW 322404

in carbon and ceramic with black rubber strap
and black calfskin inlay

Limited edition of 1,000 watches with green nylon thread · Mechanical movement ·
Pellaton automatic winding · IWC-manufactured 80110 calibre (80000-calibre family) · 44-hour power reserve
when fully wound · Integrated shock-absorption system · Date display with crown-activated rapid advance ·
Central hacking seconds · Screw-in crown · Sapphire glass, flat, antireflective coating on both sides · See-through
sapphire-glass back · Water-resistant 12 bar · Case height 14.5 mm · Diameter 46 mm

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INGENIEUR AUTOMATIC AMG BLACK SERIES CERAMIC

REFERENCE 3225



REF. IW322503
in ceramic with black rubber strap
and black calfskin inlay



REF. IW322504
in ceramic with black rubber strap
and brown alligator leather inlay

Mechanical movement · Pellaton automatic winding · IWC-manufactured 80110 calibre (80000-calibre family) ·
44-hour power reserve when fully wound · Integrated shock-absorption system · Date display with
crown-activated rapid advance · Central hacking seconds · Screw-in crown · Sapphire glass, flat, antireflective coating
on both sides · See-through sapphire-glass back · Water-resistant 12 bar · Case height 14.5 mm · Diameter 46 mm

A DOUBLE CHAMPION IN TITANIUM

In FORMULA ONE, lap times provide important information about various technical parameters and the progress of a race. During qualifying, the driver with the fastest lap time is awarded pole position. It was clear, then, that the new Ingenieur collection, which is deeply influenced by the cooperation between IWC and MERCEDES AMG PETRONAS Formula One™ Team, should feature a double chronograph. The split-seconds hand can be stopped to record intermediate times while the stopwatch hand continues to run. If the push-button at “10 o’clock” is pressed a second time, the split-seconds and stopwatch hands are resynchronized. This allows the wearer to record as many lap times as he chooses. For the Ingenieur Double Chronograph Titanium with the 79420 calibre, IWC’s designers took their inspiration from the materials typically used in FORMULA ONE: the casing ring is made of titanium and the striking screw heads in the bezel are made of ceramic. The crown, the crown protection and the push-buttons are lavishly coated with black rubber. The totalizers, which closely resemble tachometers, give the watch a consistent, instrument-inspired look. The watch is available with a silver-plated or black dial and normally worn with a black rubber strap.





In a rattrapante mechanism, the split-seconds hand starts simultaneously with the stopwatch hand

INGENIEUR DOUBLE CHRONOGRAPH TITANIUM

REFERENCE 3865



REF. IW386501
in titanium with black
rubber strap



REF. IW386503
in titanium with black
rubber strap

Mechanical chronograph movement · Self-winding · 44-hour power reserve when fully wound ·
Date and day display · Stopwatch function with hours, minutes and seconds · Small hacking seconds ·
Split-seconds hand for intermediate timing · Screw-in crown · Sapphire glass, flat,
antireflective coating on both sides · Water-resistant 12 bar · Case height 16 mm · Diameter 45 mm



IN ITS ELEMENT ON THE CIRCUIT

To mark the start of its cooperation with the MERCEDES AMG PETRONAS Formula One™ Team, in 2013 IWC launched the Ingenieur Chronograph Racer and the Ingenieur Chronograph Silberpfeil. The two technically identical timepieces are equipped with the highly efficient double-pawl winding system found in the IWC-manufactured 89361 calibre. The upper totalizer makes it possible to read off stopped hours and minutes as simply as the time on a sub-dial. Stopped times up to 1 minute are measured by the central chronograph seconds hand. Used in combination with the tachymeter scale, it also shows the average speed achieved over a measured distance of 1,000 metres. Another very practical feature for anyone who frequents the world's racing circuits is the flyback function for measuring pit-stop times. The Ingenieur Chronograph Silberpfeil breathes fresh life into the mythical aura surrounding the historic Mercedes-Benz racing car. One characteristic feature is the dial with its circular graining in silver or brown: a tribute to the legendary Silver Arrow W25, which had instruments surrounded by a dashboard of circular-grained steel. Both dial versions are available in limited editions of 1,000 watches. An attractive engraving of a stylized Silver Arrow racing car can be found on the case back. In the double-pawl winding system, four pawls – two sets of double pawls – transfer the rotor's push-and-pull movements to the barrel.

INGENIEUR CHRONOGRAPH RACER

REFERENCE 3785



REF. IW378507
in stainless steel with black rubber strap
and black alligator leather inlay



REF. IW378508
in stainless steel with
stainless-steel bracelet



BACK VIEW
for both References
(shown here is IW378507)

Mechanical chronograph movement · Self-winding · IWC-manufactured 89361 calibre (89000-calibre family) ·
68-hour power reserve when fully wound · Date display with crown-activated rapid advance ·
Stopwatch function with hours, minutes and seconds · Hour and minute counters combined in a totalizer
at 12 o'clock · Flyback function · Small hacking seconds · Screw-in crown · Sapphire glass, flat,
antireflective coating on both sides · Water-resistant 12 bar · Case height 14.5 mm · Diameter 45 mm

INGENIEUR

INGENIEUR CHRONOGRAPH RACER

REFERENCE 3785



REF. IW378509

in stainless steel with black rubber strap
and blue alligator leather inlay



REF. IW378510

in stainless steel with
stainless-steel bracelet

Mechanical chronograph movement · Self-winding · IWC-manufactured 89361 calibre (89000-calibre family) ·
68-hour power reserve when fully wound · Date display with crown-activated rapid advance ·
Stopwatch function with hours, minutes and seconds · Hour and minute counters combined in a totalizer
at 12 o'clock · Flyback function · Small hacking seconds · Screw-in crown · Sapphire glass, flat,
antireflective coating on both sides · Water-resistant 12 bar · Case height 14.5 mm · Diameter 45 mm

INGENIEUR CHRONOGRAPH SILBERPFEIL

REFERENCE 3785



REF. IW378505

in stainless steel with black rubber strap
and brown alligator leather inlay

Limited edition of 1,000 watches each · Mechanical chronograph movement · Self-winding · IWC-manufactured 89361 calibre (89000-calibre family) · 68-hour power reserve when fully wound · Date display with crown-activated rapid advance · Stopwatch function with hours, minutes and seconds · Hour and minute counters combined in a totalizer at 12 o'clock · Flyback function · Small hacking seconds · Screw-in crown · Sapphire glass, flat, antireflective coating on both sides · Water-resistant 12 bar · Case height 14.5 mm · Diameter 45 mm

INGENIEUR

INGENIEUR CHRONOGRAPH SILBERPFEIL

REFERENCE 3785




REF. IW378511

in stainless steel with black rubber strap
and brown alligator leather inlay

Limited edition of 1,000 watches each · Mechanical chronograph movement · Self-winding · IWC-manufactured 89361 calibre (89000-calibre family) · 68-hour power reserve when fully wound · Date display with crown-activated rapid advance · Stopwatch function with hours, minutes and seconds · Hour and minute counters combined in a totalizer at 12 o'clock · Flyback function · Small hacking seconds · Screw-in crown · Sapphire glass, flat, antireflective coating on both sides · Water-resistant 12 bar · Case height 14.5 mm · Diameter 45 mm



AT HOME AROUND THE WORLD



Melbourne, Abu Dhabi, Monza, São Paulo, Kuala Lumpur: 20 times a year, the international FORMULA ONE cavalcade – and with it IWC's partner, the MERCEDES AMG PETRONAS Formula One™ Team – moves from one racing circuit to the next, at locations all over the planet. The Ingenieur Dual Time takes the hard work out of keeping on track while moving from one time zone to another by showing a second local time of the owner's choice. This way, people who move rapidly from one continent or time zone to the next and who communicate worldwide will always retain an overview. Local time can be advanced or moved back in one-hour steps, even when crossing the International Date Line. The hand with the white triangle indicates the second time likewise advancing on the outer 24-hour ring, meaning that the owner's home time or the local time of a business partner is always visible. To make it easier to differentiate between day and night, the upper half, from "6 p.m." to "6 a.m." is darker than the lower half. The Ingenieur Dual Time is available with a stainless-steel bracelet.

INGENIEUR DUAL TIME

REFERENCE 3244



REF. IW324402
in stainless steel with
stainless-steel bracelet



REF. IW324404
in stainless steel with
stainless-steel bracelet

Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Hour hand adjustable in one-hour steps (TZC = Time Zone Corrector) · 24-hour display (second local time) · Date display · Central hacking seconds · Screw-in crown · Sapphire glass, flat, antireflective coating on both sides · Water-resistant 12 bar · Case height 13.5 mm · Diameter 43 mm

INGENIEUR



CLASSIC MEMBERS OF THE WATCH FAMILY

With the moderate dimensions of the case, the Ingenieur Automatic in stainless steel is well suited to a slimmer wrist. Despite its relatively modest height of 10 millimetres, the watch still comes with a soft-iron inner cage for maximum protection against magnetic fields and water-resistance to 12 bar. The Ingenieur Automatic models consistently reflect the design cues of this traditional watch family. The main reason for this is the equally elegant and functional design of a watch with its three hands. The conspicuous bores in the bezel were the brainchild of watch designer Gérald Genta. In the case of the legendary Ingenieur SL unveiled in 1976, he placed the five functional holes directly on the bezel. Originally, they served to hold it in position. Since then, the bores and/or screw heads together with the stylized bolt of lightning have become the hallmarks of the Ingenieur family. Like the solid metal hands, the rugged-looking crown protection underscores the impression that you are dealing here with a genuine strongbox. The classic Ingenieur is supplied with a silver-plated or black dial. The model with a silver-plated dial has rhodium- or rose-gold-plated hands and appliqués, while the rhodium-plated hands and appliqués attractively contrast with the black dial.





IWC
SCHAFFHAUSEN

INGENIEUR

SWISS MADE

INGENIEUR AUTOMATIC

REFERENCE 3239



REF. IW323906
in stainless steel with
stainless-steel bracelet



REF. IW323904
in stainless steel with
stainless-steel bracelet



REF. IW323902
in stainless steel with
stainless-steel bracelet

Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Date display with crown-activated rapid advance · Central hacking seconds · Screw-in crown · Soft-iron inner case for protection against magnetic fields · Sapphire glass, flat, antireflective coating on both sides · Water-resistant 12 bar · Case height 10 mm · Diameter 40 mm



laureus[™]
SPORT FOR GOOD FOUNDATION



BLUE IS THE COLOUR OF HOPE

————— The latest IWC “Laureus Sport for Good Foundation” special edition is already the ninth in the series. And, once again, the colour of hope for disadvantaged children is blue: the unmistakable Laureus blue found on the dial of the Ingenieur Automatic Edition “Laureus Sport for Good Foundation”.

THE LAUREUS SPORT FOR GOOD FOUNDATION CURRENTLY SUPPORTS OVER 150 PROJECTS WORLDWIDE

The watch is water-resistant to 12 bar and, despite having a case height of just 10 millimetres, is fitted with a soft-iron inner case for optimum protection against magnetic fields. With a relatively modest case diameter of 40 millimetres, the Ingenieur Automatic Edition “Laureus Sport for Good Foundation” was made for a slimmer wrist, and has a design that draws on the legendary Ingenieur SL of 1976.



Various kinds of sports give young people access to information about HIV and AIDS. Now, alongside athletics, the programme offers boxing, table tennis, volleyball, cycle racing and even judo

In 2014, in keeping with a revered tradition, IWC Schaffhausen organized another children's drawing competition throughout all the Laureus Sport for Good Foundation projects. The subject of this year's competition, “Time to celebrate”, encouraged many children and adolescents from all over the world to submit entries. The jury chose the drawing by 13-year-old Nakayenga Zahara from Uganda. Her picture shows a group of happy cheerleaders with pompoms celebrating a trophy. The winning design is engraved on the back of the case. The engraving is a reminder that some of the sales proceeds are destined to help Laureus Sport for Good Foundation projects in some of the world's crisis regions.

Nakayenga is a participant in the Community Based AIDS Programme (COBAP). In a large, poverty-stricken area of Kampala, Uganda, where HIV/AIDS is a widespread problem and sanitary facilities are virtually non-existent, the Laureus Sport for Good Foundation supports COBAP. It gives HIV-infected children and adolescents access to sporting activities. AIDS prevention and education are increasingly becoming the focus of its work. At one time, it was difficult to motivate the inhabitants of the slums to attend events providing information about the health services. Sport has proven to be an effective means of establishing contact with the people and making them aware of issues as basic as these. COBAP employees organize sports events and use the half-time breaks for this purpose. The results are encouraging: the rate of HIV infection has slowed and drug abuse among young people is likewise declining.



LAUREUS SPORT FOR GOOD FOUNDATION

INGENIEUR AUTOMATIC EDITION “LAUREUS SPORT FOR GOOD FOUNDATION”

REFERENCE 3239



REF. IW 323909
in stainless steel with
stainless-steel bracelet

Limited edition of 1,500 watches in stainless steel · Mechanical movement · Self-winding · 42-hour power reserve when fully wound · Date display with crown-activated rapid advance · Central hacking seconds · Screw-in crown · Soft-iron inner case for protection against magnetic fields · Sapphire glass, flat, antireflective coating on both sides · Water-resistant 12 bar · Case height 10 mm · Diameter 40 mm