

SEIKO
SPRING DRIVE

The Quiet Revolution

From dream to reality

In 1977, a young engineer in SEIKO's facility in Suwa, high in the mountains of central Japan, had a dream. He dreamed of an everlasting timepiece, more accurate and more reliable than any other.

To realize his dream, SEIKO had to make advances in every aspect of the watchmaker's art and expertise. It took nearly 30 years, with over 600 movement samples produced. Today, the dream is a reality. The quiet revolution is underway.

1977

the year the dream was born

2005

the global launch of automatic-wind Spring Drive

2007

1982 a prototype

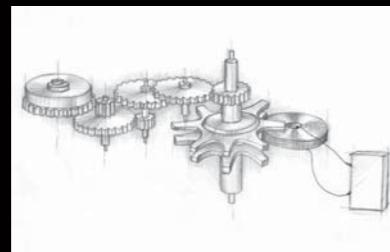
1997 the announcement of technology

1998 the first presentation to the world

1999 the introduction of manual-wind version



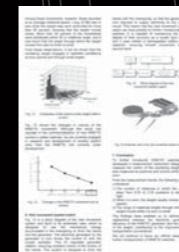
Yoshikazu Akahane, the engineer who dreamed



The early sketches



The prototype samples that proved the dream was realizable



The technology announced in 1997



The working sample shown at 1998 Basel Fair



The quiet revolution, 2005

SEIKO
SPRING DRIVE

The quiet revolution gathers pace

2005

The first international collection, with small second hand 5R64 and center second hand 5R65.



5R65

2006

Two new calibers enrich the collection, the GMT 5R66 and the Moon Phase 5R67.



5R67

2007

The new pinnacle of Spring Drive's development, the chronograph.



5R86





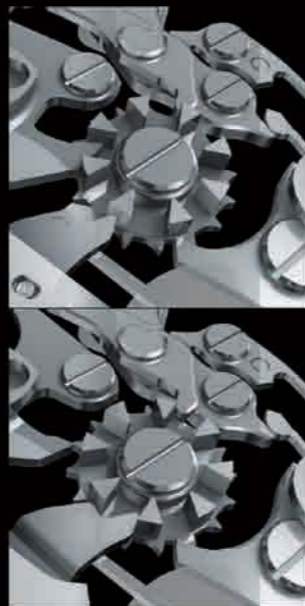
SPRING DRIVE CHRONOGRAPH

Spring Drive is the perfect platform for a precision chronograph. As the chronograph second hand moves in glide motion, it records elapsed time smoothly and precisely without a 'tick', capturing the exact period of elapsed time to 1-second-a-day accuracy.



The chronograph second hand moves in glide motion and measures up to twelve hours.

The chronograph mechanism uses a column wheel for maximum stability when the button is pressed.



The glide wheel rotates exactly eight times per second, regulating the precision of the chronograph. This is the only chronograph in the world to measure the true motion of time.



Vertical clutch delivers high precision in the chronograph operation.

The case and bracelet are crafted from high-intensity titanium – as hard as stainless steel but almost half the weight.



SPRING DRIVE GMT



SNR013 SNR015



SNR009 SNR007

SNR005
SNR001 SNR003



SNS001
SNS003 SNS005

SNR011

The genius of Spring Drive

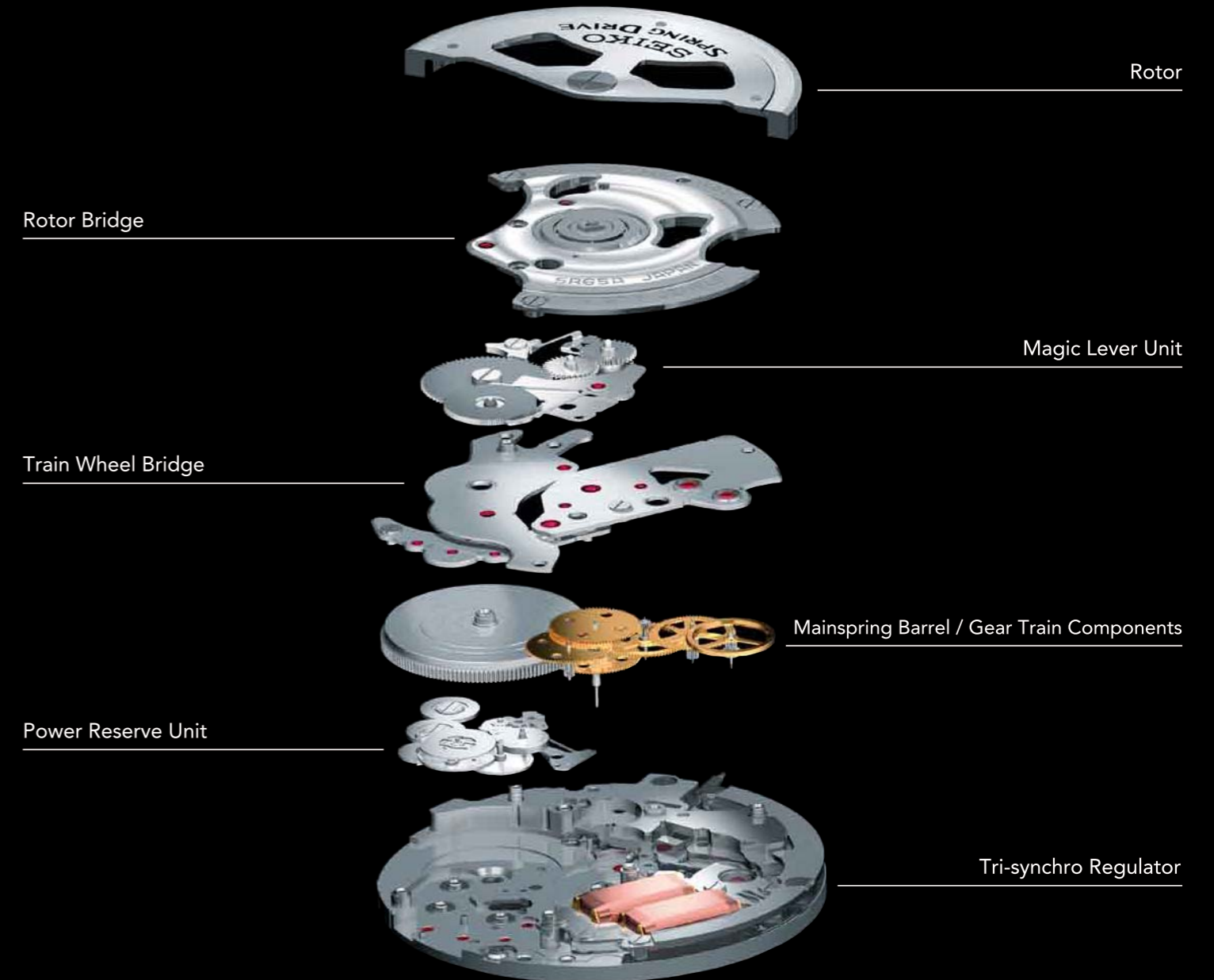
The precision, reliability and durability of Spring Drive were made possible by advances in four key areas of luxury watchmaking.

The new generation mainspring delivers more power, more smoothly and for longer. Spring Drive has a power reserve of 72 hours.

The new 'Magic Lever' system delivers more efficient transmission of power. Spring Drive's winding is 30% more efficient than traditional systems.

The 'Tri-synchro Regulator' controls and releases the mechanical, electrical and electro-magnetic energy generated by the mainspring. It replaces the escapement and, with its one-way motion, it is inherently more stable and precise. Spring Drive is accurate to 1 second per day.

As Spring Drive movement has no escapement, all the motion within it is in one direction, allowing the hands to move with the unique glide motion. This is the only watch in the world to express the continuous motion of time.



Spring Drive Chronograph

Caliber 5R86
Self-winding Spring Drive Drive movement
Accuracy: Equivalent to ± 1 sec/day
Power reserve: 72 hours
Chronograph measurement: up to 12 hours

Diameter: 30.0mm
Thickness: 7.6mm
416 components
50 Jewels

Power reserve indicator
Hour, minute and small second hands
24 hour hand for AM/PM or
dual time (GMT) indication
Date calendar
Hour, minute and second chronograph hands

SPS001
Limited edition of 300

Case: High-intensity titanium
See-through case back with sapphire crystal
Glass: Sapphire crystal
with anti-reflective coating
Water resistance: 10 bar
Bracelet: High-intensity titanium with deployment clasp and push button release

Spring Drive Moon Phase

Caliber 5R67
Self-winding Spring Drive movement
Accuracy: Equivalent to ± 1 sec/day
Power reserve: 72 hours

Diameter: 30.0mm
Thickness: 6.0mm
288 components
30 Jewels

Power reserve indicator
Hour, minute and second hands
Moon phase indicator

SNR011
Limited edition of 200

Case: Stainless steel
See-through case back with sapphire crystal
Glass: Sapphire crystal
with anti-reflective coating
Water resistance: 10 bar
Strap: Crocodile with stainless steel buckle

Spring Drive GMT with metal bracelet

Caliber 5R66
Self-winding Spring Drive movement
Accuracy: Equivalent to ± 1 sec/day
Power reserve: 72 hours

Diameter: 30.0mm
Thickness: 5.8mm
296 components
30 Jewels

Power reserve indicator
Hour, minute and second hands
24 hour hand for AM/PM or
dual time (GMT) indication
Date calendar

SNR007, SNR009

Case: Stainless steel
See-through case back with sapphire crystal
Glass: Sapphire crystal
with anti-reflective coating
Water resistance: 10 bar
Bracelet: Stainless steel with deployment clasp and push button release

Spring Drive GMT with leather strap

Caliber 5R66
Self-winding Spring Drive movement
Accuracy: Equivalent to ± 1 sec/day
Power reserve: 72 hours

Diameter: 30.0mm
Thickness: 5.8mm
296 components
30 Jewels

Power reserve indicator
Hour, minute and second hands
24 hour hand for AM/PM or
dual time (GMT) indication
Date calendar

SNR013, SNR015

Case: Stainless steel
See-through case back with sapphire crystal
Glass: Sapphire crystal
with anti-reflective coating
Water resistance: 10 bar
Strap: Crocodile with stainless steel buckle

Spring Drive with center second hand

Caliber 5R65
Self-winding Spring Drive movement
Accuracy: Equivalent to ± 1 sec/day
Power reserve: 72 hour

Diameter: 30.0mm
Thickness: 5.1mm
276 components
30 Jewels

Power reserve indicator
Hour, minute and second hands
Date calendar

SNR001, SNR003, SNR005

Case: Stainless steel
See-through case back with sapphire crystal
Glass: Sapphire crystal
with anti-reflective coating
Water resistance: 10 bar
Bracelet: Stainless steel with deployment clasp and push button release

Spring Drive with small second hand

Caliber 5R64
Self-winding Spring Drive movement
Accuracy: Equivalent to ± 1 sec/day
Power reserve: 72 hour

Diameter: 30.0mm
Thickness: 5.1mm
280 components
32 Jewels

Power reserve indicator
Hour, minute and small second hands
Date calendar

SNS001, SNS003, SNS005

Case: Stainless steel
See-through case back with sapphire crystal
Glass: Sapphire crystal
with anti-reflective coating
Water resistance: 10 bar
Strap: Crocodile with stainless steel buckle

SEIKO WATCH CORPORATION
seikospringdrive.com