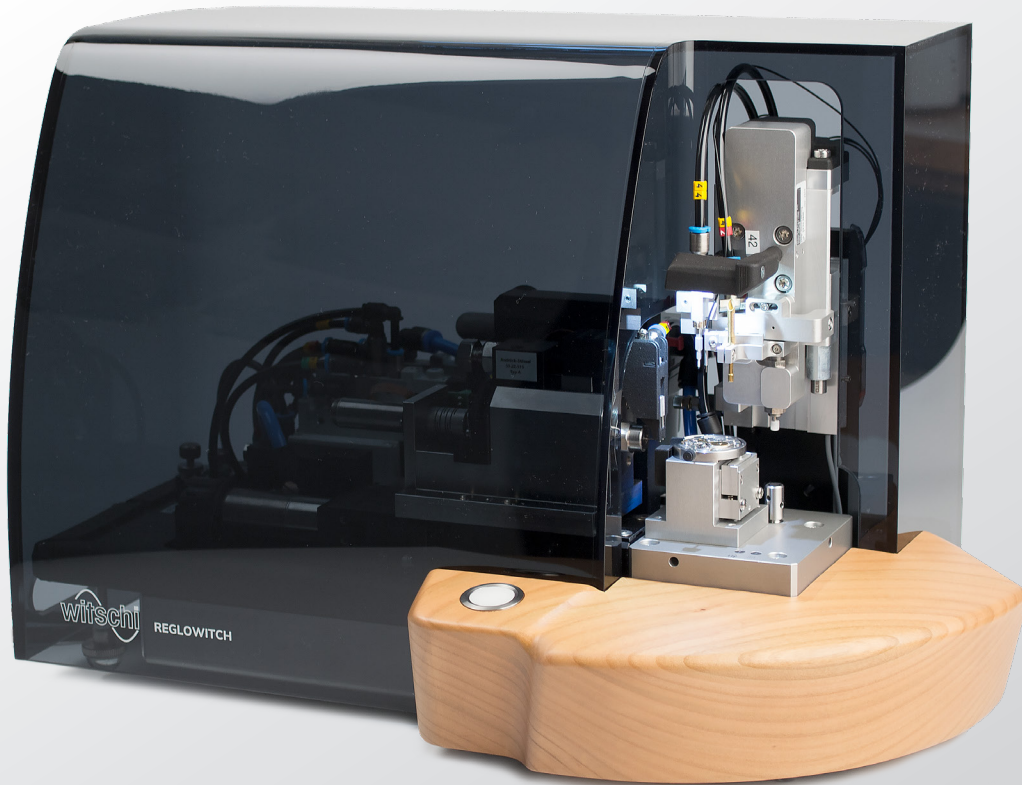
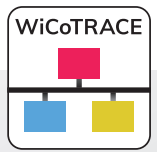


# Reglowitch



## **Reglowitch, balance wheel adjustment with the highest precision and speed**

With the third generation Reglowitch, a tried and tested design has now been technically improved even more. The ultra-fast stop device for the balance wheel and high-speed drilling unit enable the precise adjustment of the centre of gravity of the balance wheel when mounted in the watch movement.

## **Adjustment of the centre of gravity and frequency for the perfect result**

Based on the measurement results of four vertical test positions, the drilling position and depth are calculated for correction of the centre of gravity error. If, apart from balancing, adjustment of the rate is also required, this is carried out with the aid of two centre-drilled holes opposite one another.

## **More flexible thanks to WiCoTRACE**

Dynamic balancing by means of drilling the balance wheel ring is now even easier and offers more process reliability thanks to WiCoTRACE. Measurement of watch movements is carried out independently of the Reglowitch. Before each adjustment, the Reglowitch retrieves the necessary data from the database and calculates the drilling parameters.

# Reglowitch

## Reglowitch

- Adjustment of pre-fitted balance wheels including balance-springs and even assembled movements is possible
- Dynamic adjustment: drilling positions calculated from the preceding measurement in various test positions
- Adjustment of the disequilibrium and rate (frequency)
- Easy parametrization in WiCoTRACE Universal Editor software
- Traceability of parameters and measurements in WiCoTRACE
- Smart calibre-specific modules for precisely-fitting positioning of the balance wheel or watch movement
- Automatic stop system with acoustic and optical measuring unit for precision stopping of the balance wheel
- The system is easy to use and can be operated by semi-skilled personnel
- Optimised ergonomics for fatigue-free working

	Reglowitch	Reglowitch PRO
Adjustment of pre-fitted balance wheels including balance-springs and with the assembled watch movement	•	•
Adjustment with pre-defined drilling position and amount	•	•
Dynamic adjustment of center of gravity	•	•
Dynamic adjustment of rate (frequency)		•
WiCoTRACE	•	•

## General

Operation	Parameterisation and display using WiCoTRACE PC software
Display	Windows PC (optional)
Languages	German, French, English
Interfaces	1x USB Type B 1x AUX socket for external operation
Dimensions	433 x 274 x 267 mm (W x H x D)
Weight	10 kg

## Adjustment

Material removal	5 to 200 µg ± 2 µg (typical)
Accuracy	< 2 µg-cm (typical)
Drill spindle	max. 30'000 rpm
Balance wheel material	CuBe2 Glucydur Nickel silver Declafor (others on request)

## Pre-measurement

Measurement principle	Acoustic measurement of beat noises in all test positions
Device type	External Witschi measuring device, such as, for example, ChronoMaster, Micromat C or Chronoscope M10/M20 (optional)

## Balance wheel stop device

Principle	Combined acoustic and optical measurement of balance wheel position. Pneumatic actuator with quick-action switching valve.
Accuracy	± 5.0°

## Throughput times

Balance wheel adjustment (pre-defined removal rate)	approx. 20 s
Balance wheel adjustment in watch movement (pre-defined removal rate)	approx. 1 min
Dynamic balance wheel adjustment in watch movement	approx. 1 min
Dynamic adjustment of center of gravity and rate in watch movement	approx. 2 min