PVD Coating
Physical vapor deposition (PVD) is a method for coating watch cases, in which a thin film of pure metal is deposited by evaporation in a vacuum. PVD-coated cases are particularly scratch-resistant and skin-friendly.

Quartz Movement
A movement that is run by an electric oscillator powered by a watch battery or a solar cell and regulated by a synthetic quartz crystal. (The rate difference is less than one second per day.)

Radio-Controlled Movement
A quartz-controlled movement that receives transmitted time information from the DCF 77 via a receiver integrated to the movement. The time displayed is compared and synchronized with the DCF 77 time signal every 12 hours.

Radio-Controlled Watch
A watch that receives a time signal from a central radio transmitter. Due to its continuous synchronization, the radio-controlled watch is the most accurate form of measuring time. In addition, it offers the convenience of switching automatically between standard time and daylight saving time.

Sapphire Crystal
Watch glass made of industrially manufactured sapphire, which is extremely scratch-resistant due to its exceptional hardness.

Shock Absorption
Shock absorption refers to a watch's safety device that prevents breaking or deforming the movement in the case of impact or impact force. In our mechanical watch movements, a system of shock absorbing balance wheel bearings is used.

SICRALAN MRL UV – EXCLUSIVELY at JUNGHANS
The SICRALAN MRL UV coating process was developed by the GfO in Schwäbisch Gmünd for suppliers in the automotive industry. Both German manufacturers – the GfO and the Junghans watch factory – transferred this proven process to timepiece glasses and have agreed on exclusivity. This transparent coating ensures functional and aesthetic added value: increased scratch-resistance, improved UV and chemical resistance, as well as a more intense Plexiglass gloss.

Solar Watches
A quartz movement complemented by solar technology. Key components are a solar cell, charging and discharging control as well as a memory. The glass solar cells and the memory are based on state-of-the-art manufacturing technologies. Our solar watches can function for up to 4 month without exposure to light.

Split Function
Display of interim times with a stopwatch, as the stopwatch continues to run in the background.

Tachymeter
A watch scale used to compute speed. If a chronograph is started at a marker, the point on the tachymeter scale adjacent to the second hand when passing the next marker will indicate the speed of travel between the two.

Time Tunnel
A testing facility developed at Junghans for radio-controlled watches. It enables checking whether the maximum guaranteed reception of our radio-controlled watches fulfills predefined requirements. Every radio-controlled watch produced at Junghans undergoes this test.

Titanium
Approximately 0.6 % of the earth's crust is composed of titanium (Ti). Due to its low specific weight/tensile strength, and remarkable skin-friendliness, it is often used for watch cases and bracelets.

Water-Resistance
Junghans timepieces are tested for water-resistance according to DIN8310. This pressure testing applies only to brand-new watches. External factors, such as damage to the crown, latch or glass may influence water-resistance. Have your watch checked regularly.