



— DANIEL KURR

Time for precision

The pulse of watch enthusiasts beats faster at the sight of the Meister S Chronoscope Platinum Edition 160 from the watch manufacturer JUNGHANS. After all, only twelve people are allowed to call this noble timepiece their own. The unique edition engraving, including the limitation number, was engraved by an ultrashort pulse laser from TRUMPF.

The suspense in the TRUMPF Laser Applications Center in Ditzingen is almost tangible. In a departure from the usual daily routine, an unusual service for a long-standing customer is on the agenda today. An employee of the traditional watch manufacturer JUNGHANS has just arrived with a valuable cargo. In his briefcase, he is transporting twelve watch backs made of polished PT950 platinum - the most valuable precious metal in the world. At TRUMPF, they are to be given a special edition engraving and limitation numbers from one to twelve with the help of a high-precision laser, and thus receive their unmistakable face.



For Ralf Motz, the sales representative responsible for JUNGHANS, and Matthias Widmer, the machine operator, engraving the Meister S Chronoscope was an exciting affair.



The case, pusher and screw-down crown of the Meister S Chronoscope Platinum Edition 160 are made of polished platinum PT950 - the most precious metal in the world. The edition engraving and the limitation number on the watch back and the hour counter of the stopwatch make each of the only twelve timepieces available unique.



Twelve hours - twelve watches

The watch backs belong to the limited Meister S Chronoscope Platinum Edition 160 of the Schramberg watch manufacturer JUNGHANS. The company is launching the sports watch to mark its 160th anniversary. Matthias Stotz, Managing Director at JUNGHANS, explains, "This is our third limited edition 12, and with a retail price of 16,000 euros, it's a luxury product that collectors and watch lovers worldwide are eagerly awaiting."

May I see the back, please?

Clearly, everything about this timepiece must be perfect down to the smallest detail. The case, pushers and screw-down crown of the Meister S Chronoscope are made of highly polished platinum. The hour counter of the stopwatch, integrated into the cool silvery shimmering dial, bears the limitation number, as does the watch back. "Each watch is absolutely unique," says Stotz with enthusiasm. "The 12 numbering on the dial and the edition engraving with limitation number on the watch back make it unique. To ensure that this unique selling point is also perfect, we turned to our contact Ralf Motz at TRUMPF."



The edition engraving for the Meister S Chronoscope Platinum Edition 160 was created in a TruMark Station 7000 equipped with the new generation TruMicro Mark Series 2000 ultrashort pulse laser.



For the engraving of the platinum watch backs, TRUMPF machine operator Matthias Widmer very carefully approached the desired engraving depth of 17 micrometers.



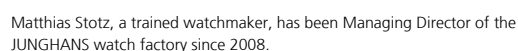
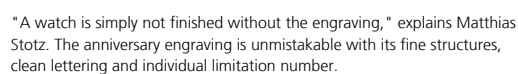
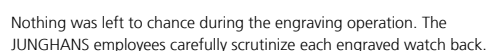
In the new generation of TruMicro Mark Series 2000 ultrashort pulse lasers, the pulse duration can be variably set between 400 femtoseconds and 20 picoseconds. This enables fast, burr-free engraving of up to 100 micrometers deep in all precious metals that can be reproduced at any time with consistent quality.

Neighborhood assistance

JUNGHANS has been working with two marking lasers from TRUMPF for more than 20 years. But when Matthias Stotz heard about the new generation of ultrashort pulse lasers from the [TruMicro Mark Series 2000](https://www.trumpf.com/ru_RU/novosti/istorii/time-for-precision/), it was clear to him that this laser alone should apply the engraving to his anniversary edition: "Platinum is difficult to process and highly sensitive. There must be no errors in the engraving. Every tiny flaw and every irregularity would be immediately visible on the shiny surface and would be irreparable. Our marking lasers do not offer the high pulse frequency necessary for this. The lasers in the TruMicro Mark Series 2000 do."



The laser's speed, reproducibility and flexibility also impress Matthias Stotz: "These are the prerequisites for responding quickly to individual customer requests. That's why I can well imagine that we will use the advantages of the new laser from TRUMPF in the future, because after all, time doesn't stand still, even with new technologies."



—— **Wearing emotions on your wrist**





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TRUMPF

