



Press release
February 2025

Sprint 2 Expert: Magical results with the master solution for manual coating tasks

As a new member of the Sprint 2 product family, the Sprint 2 Expert manual powder coating system offers unique additional functions for special requirements. Clever assistance functions such as the WAGNER Wizard and DSO (Digital Surface Optimizer) as well as process documentation options make every user an expert in manual coating in no time at all.

In spring 2024, WAGNER launched the Sprint 2 manual system - a new generation of manual powder coating systems with innovative components and assistance functions. The Sprint 2 Expert now completes the product family. Compared to the Sprint 2 with its classic range of functions, the new variant offers additional intelligent features for even greater convenience in manual coating..

The perfect recipe as if by magic

All relevant parameters for the coating job are set via the WACON Sprint 2 Expert control unit with 7-inch touchscreen. The intuitive menu navigation also offers recipe management, error history, operating hours and maintenance counters as well as user management. The highlight of the control system is the WAGNER Wizard: With the intelligent coating assistant, even inexperienced users can find the right recipe for every coating job. In 5 simple steps, you select the workpiece geometry, size, coating structure, desired coating thickness and type of powder, and the Wizard uses these parameters to determine the ideal recipe. So that you can get started straight away, it also provides recommendations for suitable accessories (e.g. nozzle type, nozzle extension) and the required gun distance.

With the DSO (Digital Surface Optimizer) assistance function - which is also integrated in the Sprint 2 - overcharge effects such as orange peel or edge build-up can be reduced at the touch of a button. This advantage is particularly relevant for decorative coatings on complex components or with demanding powder coatings.

New injector offers numerous advantages

Just like the Sprint 2, the Sprint 2 Expert also features the new Quick-Link injector. Optimized nozzle geometries reduce the air requirement and hose diameter needed, resulting in a significantly softer powder cloud at a lower speed. This results in a wide range of applications - from fine, decorative coatings



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on small parts to corrosion protection for large components. The injector also speeds up the cleaning and color change process: all powder and air hoses can be detached in one easy step using the Quick-Link coupling. The integrated scraper ring in the swivel arm scrapes the powder off the outside of the lance. For even faster color changes - in less than 30 seconds - a special cleaning set with automated internal cleaning of the suction lance is available as an option for the Sprint 2 Expert.

Process documentation made easy

A powder scale under the base plate is used for precise monitoring of the powder consumption. This scale shows the weight in the powder box and automatically sets measuring points, which are documented in a logbook with the active user, selected recipe and coating period. This allows relevant coating data to be bundled and evaluated. The user can download all process data from the control unit via USB for further processing. Additional interfaces are optionally available for the control unit to enable connection to higher-level systems, robot technology or a cloud solution - such as the COATIFY information and management platform.

The right solution for every application

The multifunctional head module of the Sprint 2 Expert with the standardized perforated plate structure offers dust-protected storage areas and hanging options for tools and accessories. This keeps everything tidy and within easy reach. The manual system can also be quickly upgraded to a double system with two guns. The head module offers space for the installation of a second control unit.

Both the Sprint 2 and the Sprint 2 Expert are available in two versions - for powder feeding directly from the original box (Sprint 2 Expert B) or a 60-liter container (Sprint 2 Expert H). Conversions between the two versions are possible.

The mobile cup gun case set (Sprint 2 Expert CG) is suitable for individual parts and small quantities as well as for laboratory and development purposes. It is easy to set up anywhere and can be operated directly from the case. The 3-liter table set (Sprint 2 Expert T) includes a compact vibrating table with a 3-liter fluid container attachment, a Hi-Coat injector and 9 mm hose in addition to the control unit and manual gun. This setup is used to achieve extremely fine coatings - e.g. in laboratory environments, for special applications such as the non-destructive testing of cast parts or for small parts with very high surface quality requirements (e.g. rim finishing).

A large selection of accessories completes the range.



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Pictures:



The Sprint 2 Expert manual system is available in two versions - for feeding powder directly from the original box (left picture) or alternatively from a 60-liter container (right picture).

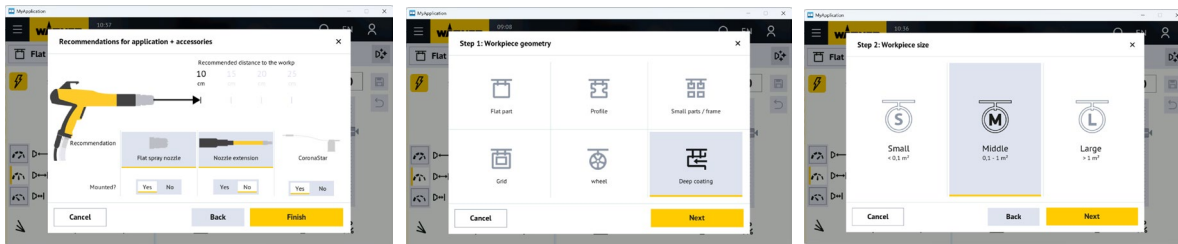


Control unit WACON Sprint 2 Expert with WAGNER Wizard coating assistant

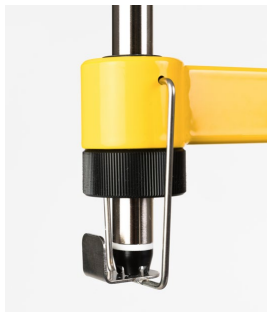


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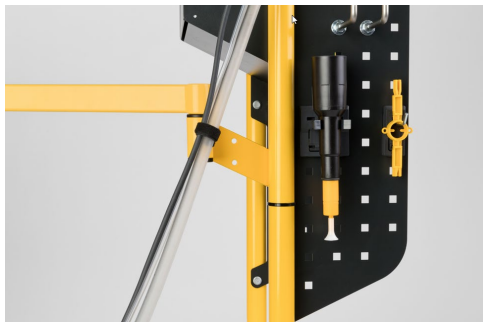
The WAGNER Wizard guides the user to the right recipe in just a few steps.



Left: Scraper ring in the swivel arm



Right: Quick-Link injector with Quick-Link coupling for fast cleaning and color change



Multifunctional head module of the manual system with storage areas and hanging options for tools and accessories



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Left: Mobile cup gun case set (Sprint 2 Expert CG), suitable for coating individual parts and very small quantities

Right: 3-liter table set (Sprint 2 Expert T), suitable for extremely fine coatings for special applications

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About WAGNER

J. Wagner GmbH, Markdorf (Germany), is part of the WAGNER group of companies under the umbrella of Wagner International AG, based in Altstätten (Switzerland). WAGNER is one of the world's leading manufacturers of equipment and systems for surface coating with powder and wet coatings, paints and other liquid materials. The company's origins date back to 1947 and since then, WAGNER has been setting quality standards and offering industrial companies, craft businesses and DIY enthusiasts economical, reliable and user-friendly solutions that are characterized by high quality and pioneering technologies. The WAGNER Group is represented worldwide by approximately 2,000 employees in 20 operating companies and around 400 agencies. The WAGNER Group is owned by the Josef Wagner Foundations, which exclusively pursue non-profit, charitable goals.

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