

ProfiTech: Controls and thinks for itself!



Complex system controls –
easy to use

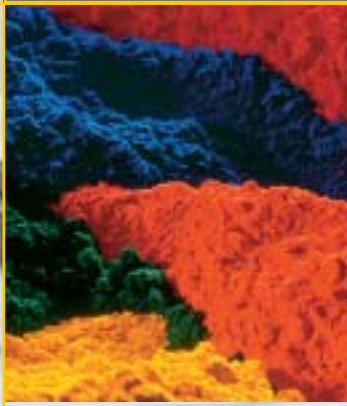
The ProfiTech control system

With ProfiTech you have the complete powder coating system in control. Even complex control relationships can be easily operated without complications via the touchscreen. From simple operation to parameterisation, exact troubleshooting through to data save and process data recording, the system provides it all at a glance.

Simple operation directly on the screen

- Everything under control due to the real time visualisation of the coating process

- Operation through touch control and menu guidance
- Input and output of all parameters in physical units, e.g. pistol – workpiece distance in cm
- Recording and evaluation of operating data
- Interfaces to the data communications and remote modem control
- System status display
- Lon bus modules for spray gun control
- Cascade characteristic curve freely programmable
- Air flow rate control with precision to 0.01 Nm³/h, the refore best control during low powder discharge with AFC-HP-D1
- Powder alarm y/n with Genius
- Powder quantity calibration with Genius



WAGNER

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CONVENIENT

PROFESSIONAL

RATIONAL

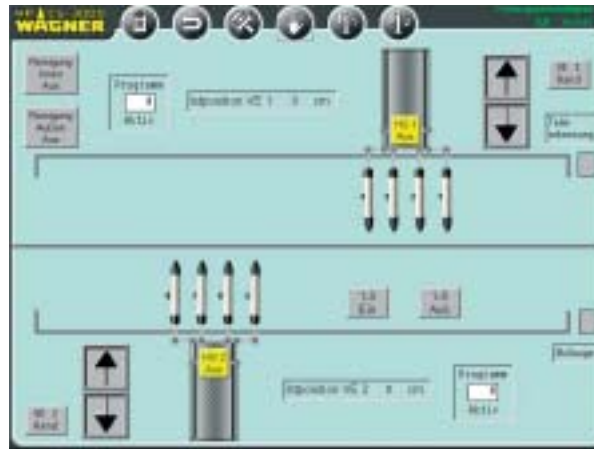
ProfiTech: Effective and user-friendly

Recording process data:

All the data in the controls can be allocated to different archives. These can be secured by time or event controls. This data can even be read into and analysed in Excel or Access databases without any problems.

Data save: Convenient data save to the hard drive, network or on discs

The process can be accessed at any time even after only one program run.



Convenient touchscreen operation

The complete system can be controlled via the touchscreen controls of the central screen. The result: fast and effective changeovers for parts and colour changes.

Visualisation of all parameters:

- Machine parameters
- Actual positions of the axes
- Actual and set values of air delivery quantities
- Parts detection
- Div. speeds, and much more

From recording process data to series production

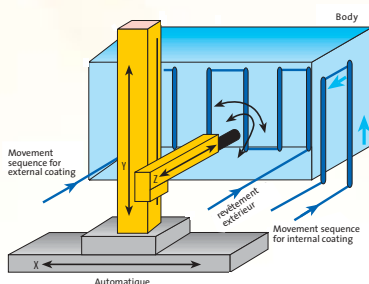
Complex coating tasks: ASR automatic sinus curve control

ASR-Automatische Sinuskurvenregelung

The ASR automatically controls the gun spray paths. ASR ensures uniform object coating without smears under all conditions.

2-D and 3-D-axes control

Program-dependent controls of complex movement sequences for complicated parts geometries.



The most important control functions at a glance:

- AFC air flow rate control
- Stroke reversal point control
- ASR sinus curve control
- Program-dependent high voltage control
- 2-D and 3-D-axes control
- Gap, depth, height control
- Powder alarm with Genius
- Powder quantity calibration with Genius

Technical data:

- 15" Panel PC 670 with current processor performance ≥ 800 MHz operating system Windows NT
- Slot SPS min 412 (higher when necessary)
- AFC air flow rate controller with 0.01 Nm3 precision

Interfaces:

- Profibus DP
- MPI for S7 programming
- All standard PC interfaces
- Integrated Ethernet interface



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