

## VertiCube “The Floating Powder Cloud”

The WAGNER VertiCube is an innovative powder coating conception which improves the vertical film thickness distribution and minimizes powder consumption for products that enable the air to flow around it (no large-area products). VertiCube is the only powder booth on the market, which works with horizontal airstream instead of the common downdraft suction. The principle of a vertical suction duct is not a new concept, but in combination with the perfect suction openings, WAGNER created the first booth that brings the powder into balance with gravity forces, and draws the powder horizontally through the work pieces and provides perfect coating results.

### FUNCTION PRINCIPLE

VertiCube provides a vertical suction channel right across the gun holes. Even not being a new principle, the main innovation is the perfect construction and design of the suction speed via suitable vents which result in a floating powder cloud.

### SPECIAL ADVANTAGES

- Compact booth size. Rapid and simple color change, partially automated (depends on configuration)
- Vertical suction for creating a suspended powder cloud. Even coating thickness
- Automatic floor cleaning prevents larger powder deposits. Minimum powder quantities in the circuit, consistent powder quality
- Plastic booth housing. Very limited powder deposits on the walls
- External manual coater platform. Direct access to workpiece enables precise and fatigue-free work

### APPLICATION AREAS

- Contract coating companies that use many colors
- High quality requirements with regard to coating thickness distribution
- Short color change times
- Workpieces up to W=1000 mm x H=2400 mm

### INCLUDED ITEMS

Example of a typical system configuration:

- VertiCube booth, dimensions as required for workpiece geometry and coating requirements
- Convenience powder center as a powder supply unit
- Monocyclone with after-filter for frequent and fast color change
- HiCoat-C4 application with HiCoat-ED powder feeding
- ProfiTech application control with gap/height and depth control
- Motion equipment with short stroke reciprocators, type KHG, and electrical in/out positioner, type ZW

