

WAGNER's advanced contour detection system provides a high end solution for customers. By using a contour laser scanning system, complex object geometries will be detected and each gun will be aligned to the perfect position. This enables customers to be up to 100% fully automated in coating their workpieces.

The WAGNER DCS-Control will transform the scanned information into coating intelligence. Software behind will use coating parameters to set the application in the best way to increase the transfer efficiency and coating quality.

No programming necessary

Easy operation with automatic 3D part detection

Recognition from all projecting edges

No crashes by having hanging deviations

Highest transfer efficiency

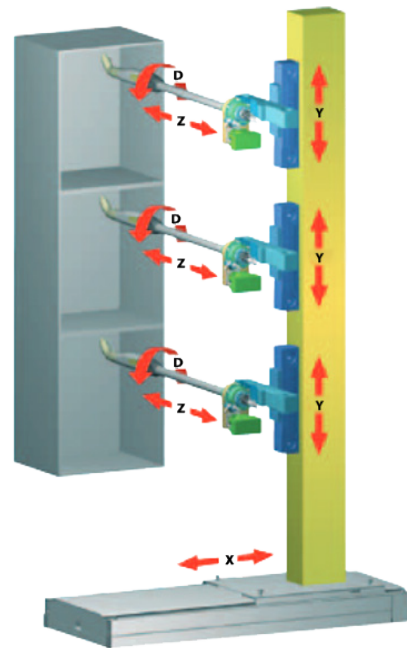
Due to the optimized coating distance to the workpiece, powder transfer will be maximized

Up to 100% automatic coating

Minimized manual touch up to ensure constant coating quality

Fast & reliable part detection on difficult geometries

Even thin structures can be detected with less than 3 cm



A module for each axis

The directions of movement can be combined in modules if required

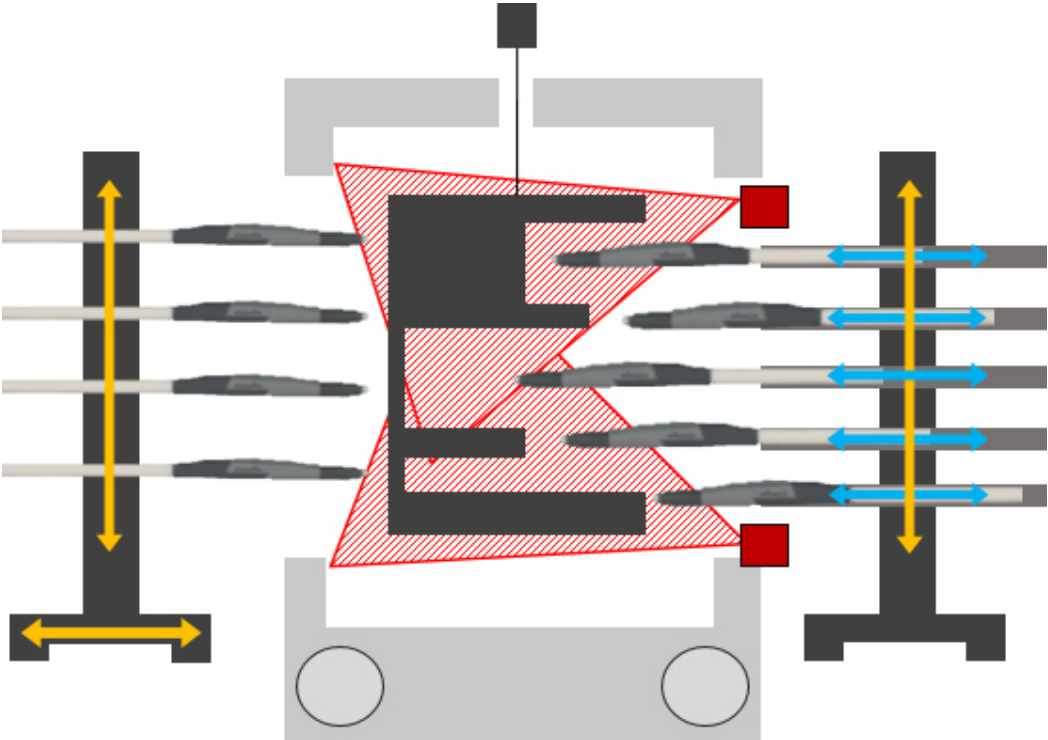
- X-axis: for surface and edge coating in sync with conveyance
- Y-axis: for height positioning
- Z-axis: for insertion and retraction
- D-rotary axis: for coating the insides of corners, edges, folds etc.



2D/3D Dynamic Coating Solution

Dynamic shape detection

The WAGNER DSC measure distances in front of the powder booth and calculate the outline of the object



**2D
3D**
Dynamic Coating

Depending on the work piece's geometries, the guns may oscillate **in and out**, **up and down** or remain in a fixed position.

Customer's benefits

- Highest automation degree on the most complex parts
- No additional programming needed
- Stable coating process and increased quality
- Material savings and minimized rework
- Oscillating guns enable complete coverage around the parts
- Save costs in production, head counts, rejects and time
- Recognition from all projecting edges - no crashes by having hanging deviations
- Highest transfer efficiency

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