

CC800® Diamond

Item no. 20000-VS2

The hardest coating material in the world - real diamond crystals. With the CC800® Diamond, extremely smooth and particularly adhesive nanocrystalline, crystalline or multilayer diamond coatings can be deposited fully automatically on more than 80 different types of carbide. Thanks to the hot-filament process used, even complex three-dimensional tools receive a particularly homogeneous layer thickness distribution with narrow tolerances. Despite its compact external dimensions, the CC800® Diamond has the largest capacity of fully automatic systems for diamond coating on the market. Three independently operating coating chambers make it particularly flexible and economical.

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Specifications

Electrically conductive coatings	Yes
Electrically non-conductive coatings	Yes
Electrically non-conductive substrates	Yes
Maximum dimensions of the substrate Ø x h	Tools Ø30 x 500
Maximum weight of the substrate	250
Closing the chamber doors	Automatic
Processes	Filament
Technology	Diamond
Tool volume	Medium
Coating area	1 x (740 x 360 x 30) or 3 x (50 x 560 x 70)
Substrate Ø	Tools Ø30 x 500
Substrate weight	250
Conductivity	Yes
Conductive coatings	Yes
non-conductive coatings	Yes
Chamber doors	Automatic
Connected load (kVA)	108
Outer dimension mm (w x l x h)	1260 x 3600 x 2070
Unloaden weight in kg	3800

[Click here to learn more about the CemeCon coating system!](#)