

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.



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

Contact experts

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