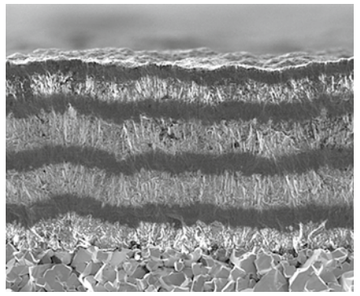
Diamond Coating System

		CC800®/9 DIA
Coating area, number x (b x t x h)	[mm]	1 x (740 x 360 x 30) or 3 x (50 x 560 x 70)
Maximum substrate dimensions Ø x h	[mm]	Tools 30 x 500
Maximum substrate weight	[kg]	250
Processes		Hot filament
Electrically conductive coatings		Yes
Electrically non-conductive coatings		Yes
Electrically non-conductive substrates		Yes
Rated power	[kW]	90
External dimensions (w x l x h)	[mm]	1,260 x 3,600 x 2,070
Weight (empty)	[kg]	4,000

HOT-FILAMENT DIAMOND COATING SYSTEM

Filaments

Horizontal Vertical



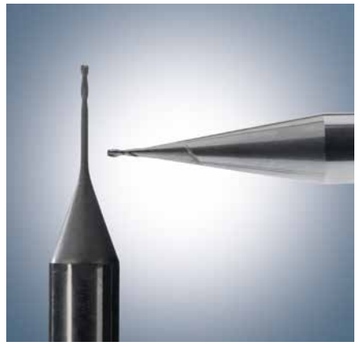
Smooth, best adhesion and wear resistant thanks to Multilayer coating

The **CC800®/9 DIA** coats tools for processing fiber-reinforced plastics, graphite and abrasive nonferrous metals with the world's hardest coating material – real diamond crystals.

With the **CC800®/9 DIA**, extremely smooth, especially adhesive nano-crystalline, crystalline or Multilayer diamond coatings can be deposited on more than 80 different tungsten carbide grades. Thanks to the hot filament process, even complex three-dimensional tools and components receive very homogeneous coating thickness distribution within tight tolerances.

Despite its compact external dimensions, the **CC800®/9 DIA** is the largest-capacity automatic diamond coating system on the market. Three independently operating coating chambers make it especially flexible and economical.

Composite airplane wings, drilling and reaming the rivet holes with diamond-coated tools



Micro end mills with CCDia® Carbon Speed for graphite machining

Router with CCDia® MultiSpeed Plus – 17 µm pure Diamond
Counter sink drill with CCDia® AeroSpeed®, the benchmark in aircraft production

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