


Coating unit CC800® HiPIMS

Item no. 800-MLHIPIMSC2

The CC800® HiPIMS is capable of producing all existing CemeCon coatings and almost all PVD coatings available on the market. With coating rates up to 2 µm/h HiPIMS and coating thicknesses from 1 µm to currently 12 µm. With a filling level of up to 1800 rotary tools or 5000 indexable inserts. It is the fastest, most flexible and most economical production system on the market and is the perfect platform for developing customised processes. Tool manufacturers can use this to differentiate their products in the market and achieve a competitive advantage.

Contact experts

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Specifications

Substrate table, Ø x Ø satellites x number of satellites (mm/piece)	Ø400 x Ø130 x 6
Cathodes (pieces/mm)	6x500 (4 of them optionally HiPIMS/DC, as well as 2 further DC; all cathodes are equipped with shutters)
Maximum dimensions of the substrate Ø x h	Ø400 x 800
Capacity drill, Ø6mm x 60mm (piece)	1800
Capacity WSP, 12.7mm x 3.5mm (piece)	4920
Loading (KG)	250
Coating rate µm/h	2 µm/h HiPIMS
Cycle time for 3 Øm FerroCon®* (h)	4,5
Litigation proceedings	HiPIMS and sputtering with booster technology. All established CemeCon coatings are possible.
Substrate pretreatment (plasma etching)	Booster, MF and HiPIMS etching
Electrically conductive layers	Yes
Electrically non-conductive layers	Yes
Electrically non-conductive substrates	Yes
Connected load (kVA)	166
Power consumption per batch for 3Øm FerroCon®* (kWh)	120
Outer dimension mm (w x l x h)	1.450 x 3.350 x 2.200
Process step	Coating
Coating procedure	Coating
*	Pure HiPIMS layer on 10 mm milling cutter