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.

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 µm 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 3µm 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**

Contact

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