

Coating unit CC800® HiPIMS

Item no. 800-MLHIPIMSC3

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 unit 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

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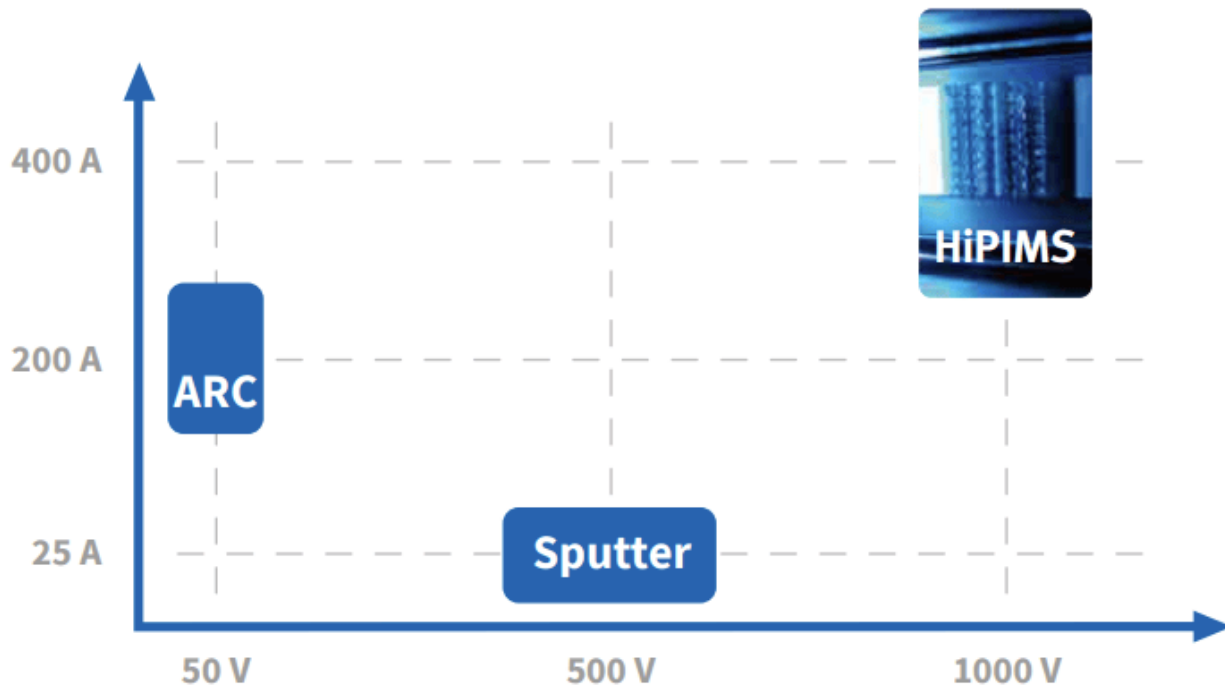
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Specifications

Expansion Stage	AS3C3
Coating space, Ø x h (mm)	Ø400 x 400
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 (KW)	80
Connected load (kVA)	166
Power consumption per batch for 3 µm 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 coating on a 10 mm milling cutter, full loading, 3-way rotation	Pure HiPIMS layer on 10 mm milling cutter

HiPIMS sets New Standards and Combines the Advantages of all Current Technologies.



CC800® HiPIMS in Practice:

[Increase profit with HiPIMS](#)

[What makes HiPIMS so special?](#)

[HiPIMS-coating brings titanium into top shape](#)

[HiPIMS coating is now also being performed in Japan](#)

[The HiPIMS TECHNOLOGY opens up enormous potential](#)

[CC800® HiPIMS for uncompromising premium quality](#)