

Coating unit CC800® XL

Item no. 800-XLAS3C2

The new CC800®XL coating system utilizes DC sputter technology and is based on the platform of HiPIMS coating systems - the latest system technology for demanding coating. It offers the possibility of coating large quantities and large components economically and is therefore particularly flexible and universally applicable.

Its capacity of 4,500 drills or 16,400 indexable inserts and for tools with a length of up to 800 mm and a diameter of 650 mm in diameter in a single operation offers you all the options for coating large volumes.

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Specifications

Coating space, Ø x h (mm)	Ø650 x 700
Substrate table, Ø x Ø satellites x number of satellites (mm/piece)	Ø650 x Ø130 x 10
Cathodes (pieces/mm)	4 x 800 (DC)
Maximum dimensions of the substrate Ø x h	Ø650 x 800
Capacity of shaft tools	Ø 6 x 60 mm, 4500
Capacity WSP, 12.7mm x 3.5mm (piece)	16400
Loading (KG)	500
Cycle time for 3 Øm HYPERLOX® * (h)	6,5
Coating rate µm/h	1,6 µm/h
Substrate pretreatment (plasma etching)	BOOSTER AND MF EARNING
Electrically conductive layers	Yes
Power consumption per batch for 3Øm Hyperlox®**	250
Connected Load (KW)	80
Outer dimension mm (w x l x h)	1,050 x 3,350 x 2,200
Process step	Coating
Coating procedure	Coating
*	Auf einem 10 mm Fräser

Advantages of the New CC800® XL:

- **Greater process reliability:** The new pumping system enables up to 50% faster pumping and therefore offers shorter process times and more stable processes.
- **The latest automation technology:** The robust EtherCAT offers you a good basis for OPC UA.
- **Process-safe working:** Pneumatic doors ensure automatic sealing of the chamber doors. This not only makes it easier to work on the machine on a daily basis, but also ensures a high process reliability.
- **Reduced maintenance:** The technical improvements that have been incorporated into the development of the new CC800® minimise the need for maintenance.
- **Cross-series material utilisation:** All charging aids and components that you use from the previous CC800®/9 XL series can be used 100% in the new CC800® XL coating system. This also applies to the CC800® HiPIMS.
- **Reproducible coating results** thanks to homogeneous layer distribution.
- **Premium coating materials can be produced:** HYPERLOX® and HSN² are of course included in the CC800® XL coating material programme.