

Vacuum > PVD thin films > Hardcoating



# Cathodic arc deposition systems

HC

*by*



**alliance**concept

## Hardcoating range: Vacuum cathodic arc deposition systems

A range of machines based on vacuum **cathodic arc deposition technology**, dedicated to batch production and adaptable to specific requirements.

Featuring special features such as a **shutter** in each cathode, a **heating grid** for long heating life and a **plasma booster system** for high-performance stripping of parts, our HC800 and HC1100 systems guarantee **quality** and **performance** that meet your expectations.

**HC 800**



**HC 1100**



### Main features

	HC 800	HC 1100
<b>Number of cathodes</b>	2 cathodes	4 cathodes
<b>Pumping</b>	Two-stage primary + turbo pump	Two-stage primary + roots pump + turbo pump
<b>Gas lines</b>	Up to 7 gas lines	Up to 7 gas lines
<b>Power supply</b>	Up to 4 generators	Up to 8 generators
<b>Carousel</b>	2-3-4 or 6 axes	2-3-4-6 or 8 axes
<b>Carousel polarisation</b>	Solvix 15kW 1000V low frequency 30 kHz	Solvix 30kW 1000V low frequency 30 kHz
<b>Heating</b>	2 x 12 kW up to 500°C	4 x 9 kW up to 500°C
<b>Process range</b>	Tin, TiCN, AlTiN, AlTiSiN-TiSiN, AlCrN, AlCrSiN, AlTiCrN, TiAlN, Nitriding recipe TiAlCrN	Tin, TiCN, AlTiN, AlTiSiN-TiSiN, AlCrN, AlCrSiN, AlTiCrN, TiAlCrN-TiAlN, Nitriding recipe

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