

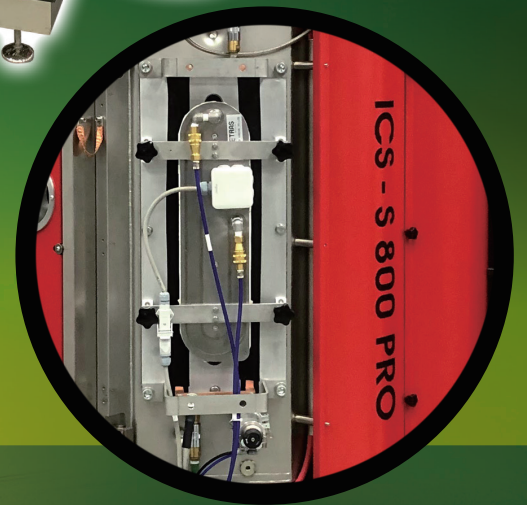
STAR-ICS800R PVD Coating System



ICS Made in Italy



The Machine
that Maximizes
Your Throughput!



Highlights

- ★ **Quality made by prestigious PVD manufacturing partner ICS in Italy**
- ★ **Versatile coating types covering all your needs**
- ★ **Fast deposition rate for short cycle time**
- ★ **Large effective coating zone for maximal loading**
- ★ **Integration with 30 years of experience**

Imagine you have the best technician and programmer to put together a machine for you. STAR-ICS800R is the integration of experts' knowledge in the PVD coating industry. Manufactured by our partner, ICS in Italy, and programmed by the PVD coating experts with 30 years of experience, STAR-ICS800R gives you the edge of productivity and quality against any competition.



STAR-ICS800R PVD Coating System

Key Features

Rectangular Cathode Design

The rectangular cathode gives the largest coverage in the vacuum chamber and can maximize the usage of the space with the best coating uniformity.

8-axis Planetary Carousel

Multi-axis planetary design maximizes the loading capacity without compromising the quality. The standard 8-axis planetary carousel allows the loading of tools up to 1,920 pieces!

Split Arc on the Cathode

The split arc feature is controlled by a special magnetic field design and allows the arc movement to be evenly distributed on the rectangular cathode. It gives better usage rate of cathode material than competition.



Competitor



800R



Specifications

Effective Plasma Zone	Φ500 x 600 mm (Φ19.7" x 23.6")	
Max. Loading Weight	600 kg / 1320 lb	
611 x 191 mm Rectangular Cathode	4	
Cycle Time (2μm)	5 hours	
Loading Capacity (pcs)	Φ1/4" (Φ6mm)	1920
	Φ1/2" (Φ12mm)	600
Planetary Carousel	8 - axis	
Arc Power Supply	4 (Huttlinger)	
Bias Power Supply	Huttlinger * 1	
Turbo Molecular Pump	2200 l/s (Edwards)	
Primary Pump	80m3/h (Edwards)	
Roots Pump	500m3/h (Edwards)	
Footprint	L 3226 x W 2502 x H 2113 mm (L 127.0" x W 98.5" x H 83.2")	

