

Big Combo Unit



PLATIT COATING INTELLIGENCE

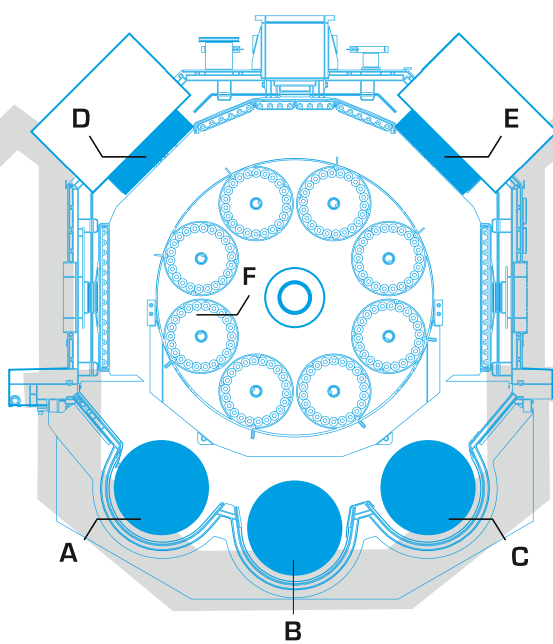
1511

PLATIT® 11 - Series

1511 Big Combo Unit



PLANAR AND ROTATING CATHODES



- A LARC® XL Cathode
- B LARC® XL Cathode
- C LARC® XL Cathode
- D Planar Cathode
- E Planar Cathode
- F Carousel



The Pi1511 is a high-volume PVD coating unit. It combines three rotating PLATIT LARC® XL cathodes positioned inside the door with two Planar ARC cathodes in the back of the chamber. The combination of round cathodes with high-performing Planar cathodes allows for the deposition of PLATIT Signature Coatings with familiar flexibility. The LARC® XL cathodes have a very long lifespan and thus guarantee high productivity at a low cost per tool.

OVERVIEW

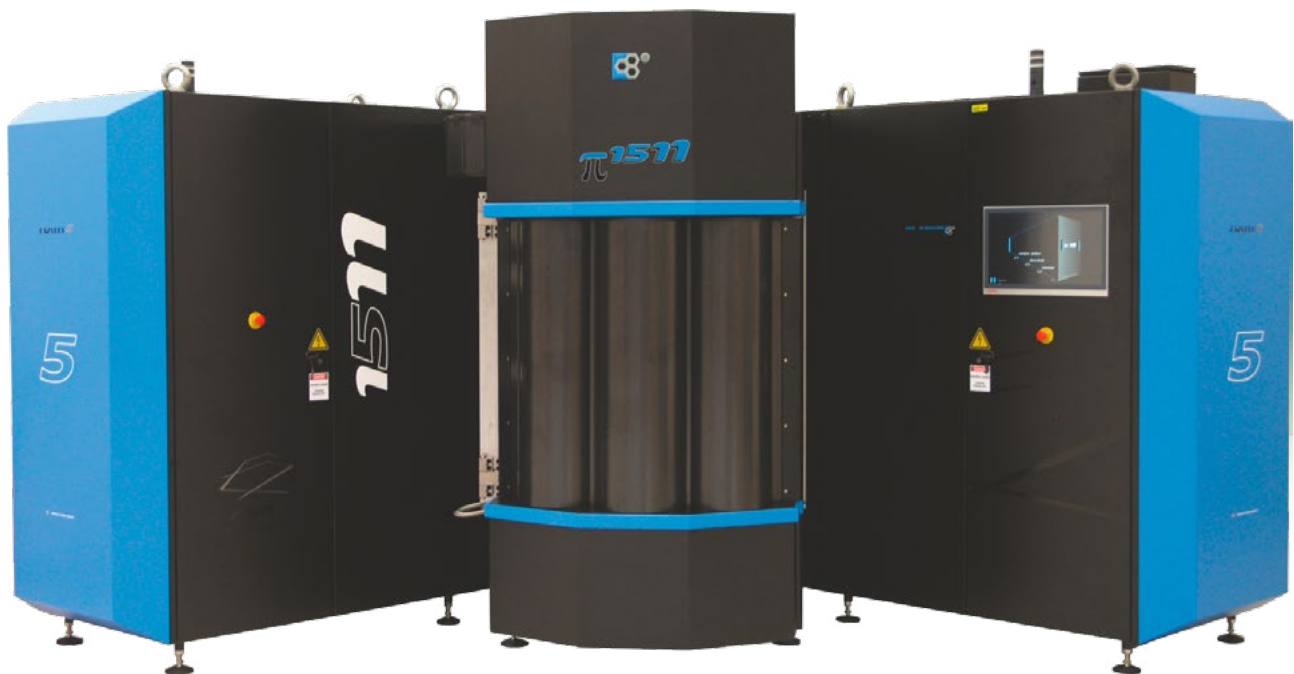
Technologies applied:

- 3 x LARC® XL (Lateral Rotating XL Cathode) inside the door and 2 x Planar cathode with ARC technology in the back
- MAC-3C (Magnetic ARC Confinement - Coil Current Compensation) for automated magnetic field adjustment
- Quick cathode exchange
- Deposition of PLATIT Signature Coatings



*Magnetic ARC Confinement -
Coil Current Compensation*

PLATIT®



Targets
2



Targets
3



Signature Coatings



Cycle
≥ 7 h



Max. Load
400 kg



Solution
Turnkey



Service
Worldwide



SPECIFICATIONS

Etching technologies applied:

- LGD® (Lateral Glow Discharge)
- Plasma etching with argon, glow discharge
- Metal ion etching (Ti, Cr)

Load and cycle times:

- Max. coating volume: \varnothing 715 x H 805 [mm]
- Max. coating height with defined coating thickness: 711 mm
- Max. load: 400 kg

3 batches/day for*:

Shank tools (2 μ m):	\varnothing 10 x 70 [mm]	1080 pcs.	7 h
Inserts (3 μ m):	\varnothing/\square 20/14 x 6 [mm]	7200 pcs.	7.5 h
Hobs (4 μ m):	\varnothing 80 x 180 [mm]	48 pcs.	7.5 h

* Average cycle times for a typical coating mix in a production environment.

Modular carousel systems:

- 1 to 12 axes

Software:

- Simple use and maintenance
- PLATIT SmartSoftware (PC and PLC system)
- Modern control system with touch screen
- Statistics and help function via user interface
- Data recording and real-time display of process parameters and flow
- Manual and automatic process control
- Remote diagnostics and maintenance

Machine dimensions:

- Footprint: W 4900 x D 2200 x H 2450 [mm]



VISIT US AT: WWW.PLATIT.COM



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