

# INLINECOATER™ D

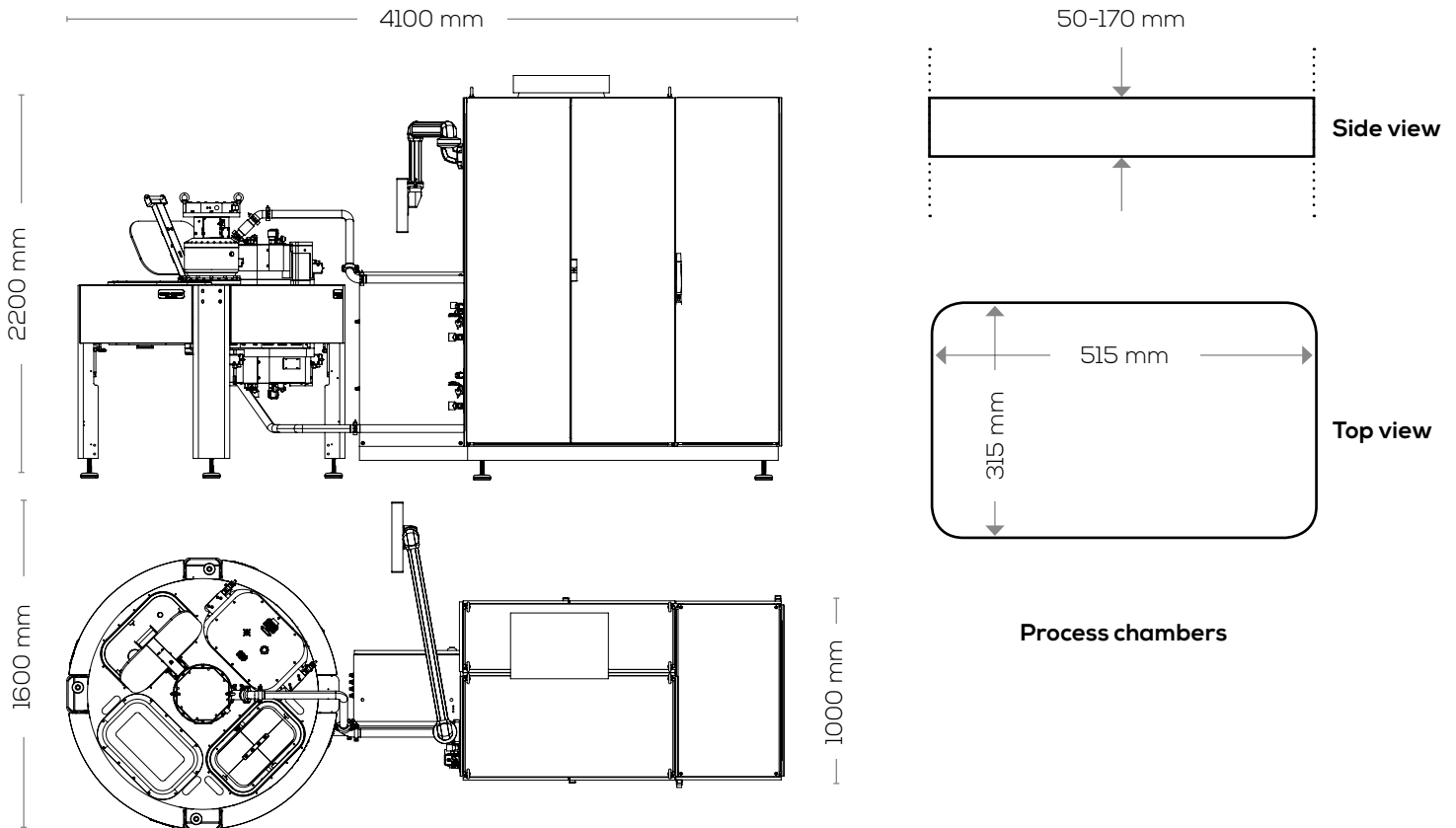


## Versatile vacuum coating equipment for high quality decorative coatings on metal

- Wear resistant decorative ceramic coatings
- Wide range of colors, including deep black (L<30)
- High quality and production stability

The INLINECOATER™D is chosen by manufacturers of high quality consumer products, such as watches and eyeglasses.

Equipped with plasma etching and reactive magnetron sputtering or arc evaporation, the INLINECOATER™D provides very durable decorative ceramic coatings. A wide range of colors can be achieved, including deep black (L<30).



## TECHNICAL DATA

### System configuration

Loadlock	Automatic or manual
Number of process chambers	3
Substrate transfer	Rotating revolver, under vacuum
Substrate holder	Horizontal, fixed in rotating revolver

### Processes and sources

Substrate bias	Yes
Plasma etching	Yes
Deposition sources	Dynamic magnetron sputtering Arc evaporation
Number of deposition sources	1-6
Source orientation	Top, bottom, or both
Reactive processes	Yes

### Vacuum system

Base pressure	$<1 \times 10^{-5}$ Torr
Turbo molecular pump	2300 l/s
Backing pump	Mechanical or dry pump
Pump, loadlock evacuation	Mechanical or dry pump

### Productivity

Typical batch time	1-5 minutes
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<b>Control system</b>	PLC (Mitsubishi), Panel PC, Citect HMI
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### Utilities

Electricity	400V 3N~, 125A, 50Hz
Cooling water	100 l/min, maximum 3 bar input
Compressed air	6-10 bar input, $<0,003$ mg/m <sup>3</sup> hydrocarbon
Process gases	Argon Reactive gases

<b>System weight</b>	Approx. 3000 kg (depends on configuration)
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*Note: Specifications may change without notice*