

Ortus 700

The classical approach for optical applications



Proven design and technical solutions,
modern components

Ideal for flexible small-scale production

Good performance of the equipment is
provided by high pumping and coating
speed

Ion-beam assistance to obtain dense and
stable coatings



Вакуум, который создает

Main specifications

Chamber diameter	700 mm
Pumping system	Dry pump for low vacuum, turbo molecular or cryogenic pump for high vacuum.
Ultimate pressure in clean dry chamber, Pa	2×10^{-4}
Monitoring system	Optical control and quartz control systems. Optical control system samples and quartz crystal control plates are placed into a control unit, which is designed to automatically change them. Optical control wavelength range, nm: one-beam control: 380-1100, 380-1700, 380-2600, 1200-5000, 380-5000, 200-1100, 200-1700, 200-2600, 200-5000 spectral control: 380-740, 380-1100, 1000-1700, 200-1100, 380-1700
Substrate holder	Dome or planetary type
Heating	IR lamps, Resistive heater
Technological devices	Electron beam evaporator, Thermal evaporator, Ion beam source (option), Magnetron (option)
Coating uniformity for the entire spherical surface of the dome-shaped substrate holder sector, not more than, %	+/- 2
Coating uniformity for the satellite of the planetary substrate holder, not more than %	+/- 1,5

Utilities

Water	Distilled
CDA	6...8 kg/cm ²
Power	380/220 V ±10%, 50 Hz
Gases	Ar 99,99%, 0.2 l/min O2 99,7%, 0.2 l/min
Installation area, mm	3470x2440x2430 mm
Weight, kg	2000

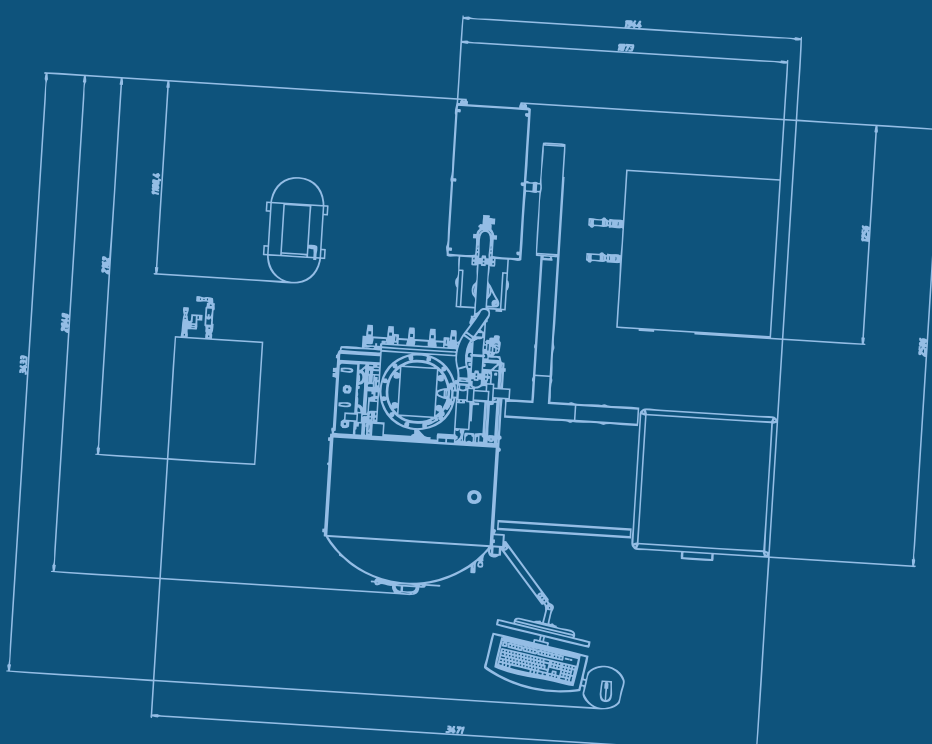


Схема размещения
системы в рабочем зале

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