

真空离子镀膜设备 LD

产品名称	真空离子镀膜设备 LD
公司名称	北京隆冠科技发展有限公司
价格	面议
规格参数	加工定制:是 品牌:LD 型号:LD-1200
公司地址	北京市海淀区知春路49号希格玛大厦B1408
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产品详情

specification and model	ld-c1020 (a.b)
vacuum chamber inner size	φ 1000-1200 × h1000-1200(mm)
effective coating space	φ 900-1100 × h800-1000(mm)
vacuum chamber material	304stainless steel
vacuum chamber material thickness	inner 8mm outer 3mm interlayer water cooling pipes
vacuum chamber inner lining	double-layer stainless steel of inner lining 0.8mm
vacuum chamber door	cut gate net thickness of door frame 28mm hinge
sputtering rake installation door	bilaterians open on both sides of the vacuum chamber

sputtering rake baffle	stainless steel movable sputtering target platens
structure heat-resistant temperature	500
work piece rotary frame	rotation + revolution and rotation
quantity of the hanging rod	can design according to the workpiece quantity
the layout of the rotary frame	the top of vacuum chamber downward install
turntable material	gear carbon steel electroplating
hanging a turntable spindle seal	magnetic fluid seal or oil seal
rotary speed	0-5revolutions/minute (rotation) speed governor adjust
the maximum size of the workpiece	$\varnothing 150-180 \times h750-950(\text{mm})$
application	tools coating +decorative coating
work piece material	metal, glass, ceramics
film material	tin titanium chromium titanium nitride etc.
color coating layer can be	gold、 silver、 purplish black、 brown、 black、 blue、 rainbow、 etc
requirement of production space	8 × 8m
requirement of capacitance	50hz 380v 70kva
electricity production	40kw/h
requirement of cooling water	30l/hour circulating cooling water/ 25

cooling water pressure	3-5kg
pollutant emission	none
work noise	90decibel
vacuum air pump	2x-70rotary vane pumps
maintain pump	2x-30rotary vane pumps
roots pump	zjp-300
diffusion pump	kt-500
ultimate vacuum	overmatch 6×10^{-4} pa
work vacuum	6.67×10^{-3} pa
exhaust speed	<20minutes(atmosphere—work vacuum)
pressure rising rate(leak rate)	0.35pa/h
coating the heating temperature	common 350-430
temperature control	pid smart temperature control
grid bias power supply	35kw 20khz inverter power supply
magnetron sputtering rack	rectangular symmetric 2 non-equilibrium directly to the cooling
the size of the sputtering	w150 × h850-1050(mm)
the size of the sputtering rake thin	w100 × h800-1000 × 12(mm)

center columnar sputtering target	two center columnar sputtering targets
columnar target structure	target materials rotating crucial directional target
size of columnar sputtering target	∅ 70 × h850-1050(mm)
magnetron sputtering power	intermediate frequency pulse: 40khz power:35kw
plane target layout	the furnace door and vent
columnar target layout	vacuum chamber center
coating chamber heating power	20kw heating tube heating
vacuum measurement	3 measuring point wide-range compound vacuum gauge
gas mass flow meter	4gas mass flow controller
gas flow control	four-way adjustable gas flow figures
vacuum chamber distribution gas	four posts close to furnace wall evenly distributed
system control	6 way pneumatic valve. safety interlock
air operated barometric pressure	general air compressor

source	
coating system control	voltage display current regulator automatic recovery
water distribution	water pressure directed the waterways of independent switches
exhaust pipes and valves	high vacuum valve separate ways valve
control cabinet and cables	input and output cables and other power distribution terminal row
alarm system	water phase without water break alarm
shutdown system	e-stop+ electric control cabinet + delay shutdown
coating operation process	8-10 kinds of tools for supporting coating processes
control mode	automatic(a) manually operation(b)
automatic control system	computer+ pld+ lcd+ printer
accessories	a titanium target、 a full set of seals, etc.
train	two skilled operators
warranty	one-year warranty、 lifetime service
delivery period	2.5 months

本产品的加工定制是是，品牌是LD，型号是LD-1200，适用范围是Metal,glass,ceramics，产品别名是磁控溅射真空离子镀膜设备，电镀电源是双脉冲电源，电镀位置是真空离子镀，镀种是TiNTiAlNCrNTiCTiC Netc.