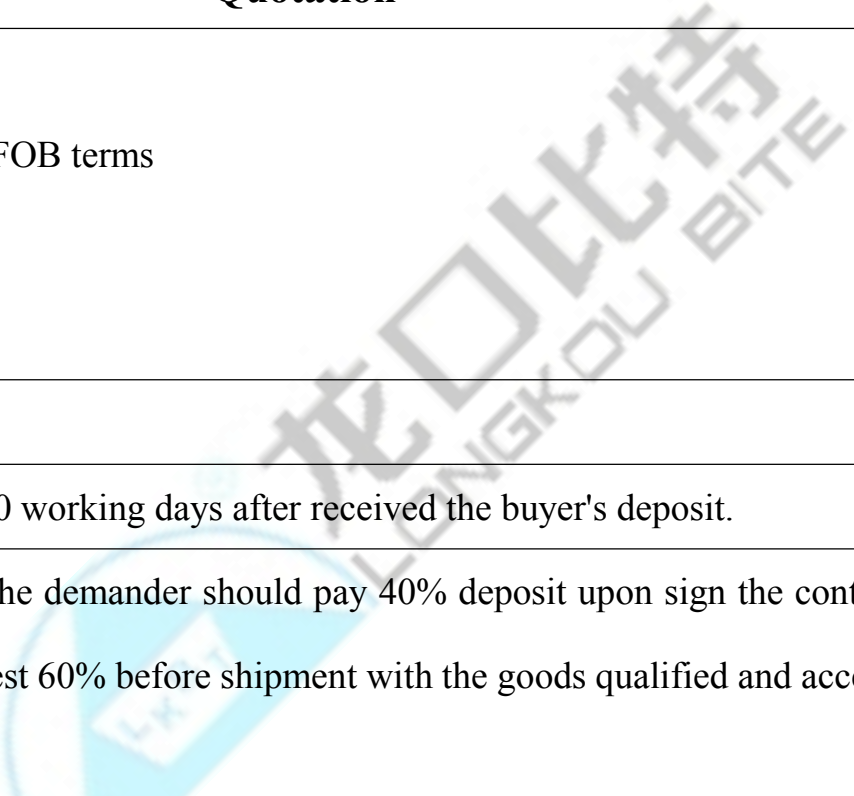




龙口市比特真空技术有限公司
 Longkou Bite Vacuum Technology Co., Ltd.



Quotation	
Machine costs:USD50000	
Delivery:To Qingdao port under FOB terms	
	
Delivery Lead time	50 working days after received the buyer's deposit.
Payments	The demander should pay 40% deposit upon sign the contract, and pay the rest 60% before shipment with the goods qualified and accepted.

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龙口比特
LONGKOU BITE

*Pay attention to credibility, Pay attention to quality
Wide make friend, Sincerely service*



Longkou Bite(LKBT), established in 1985,China first company specializing in the design and manufacture of vacuum equipment. Headquartered in the city of Longkou, we have Longkou Bite Vacuum Technology Ltd., Shenzhen Branch, Dongguan and Foshan Branch.We cooperate with Beijing Normal University and Indian Titan watch ,korea MCM and so on

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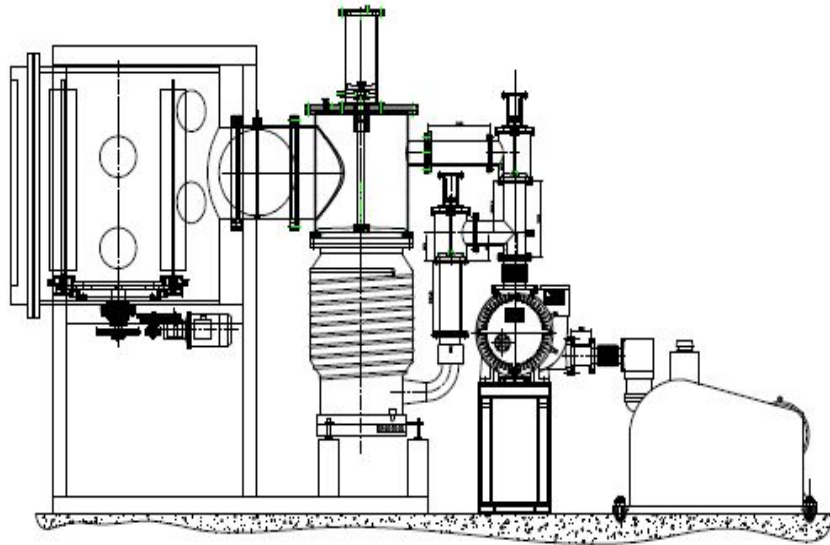
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1. Appearance:



Design drawing (for reference)



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About the Machine: The equipment professional for tools coating.

Auxiliary part of the machine:

Coating material	Ti Cr and so on
Cycle time of vacuum coating	Depond on your product
Air compressor	0.5M Pa -0.6M Pa
Water chiller or cooling tower	You can choose chiller or tower,we will help you to buy or we tell u datas you can buy from ur local
Power Supply	Input supply: 3-phase, 4 wires, 380V/50Hz
Working gas	Bottled gas purity 99.99%
Jigs/holders	This need to be design according to ur products,this part price is not included in the quotation

like i told u in the quotation,this is using pvd technology,pvd means physical vapor deposition,I will explain the main part of the coating process to help u to understand well,some part of the whole process will be avoided to reduce ur misunderstanding.

behind the machine there has different vacuum pumps,it will help the vacuum chamber to get vacuum from low vacuum to high vacuum,usually need 10 minutes,meanwhile the chamber also heating by inside chamber heating tube,this heating will let inside chamber product surface get enough temperature to let its surface be ok for coating.

If the vacuum is ok,and meanwhile the heating temperature is ok(some product thickness need more heating),machine will auto running into coating process,inside machine have arc,this arc is like a hole inside chamber,the hole place installed with titanium target(we call it Ti),Ti target will become titanium ion when coating process start,meanwhile machine will auto input nitrogen gas,then titanium ion will react with nitrogen gas,in physical,it is $Ti+N_2=TiN$,TiN in physical is gold color,so we got gold color.Usually after this,inside machine also have real gold target to deposit the real gold ion on the jewelry surface ,so for jewelry coating,usually 2 gold layer,one is TiN gold color,another is real gold layer.

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This size is 500*600mm,500mm is machine chamber diameter,600mm is machine height

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1. 货物 **DCLD-500*600 Vacuum Coating Machine**

2. 付款 Payments: The demander should pay 40% deposit upon sign the contract, and pay the rest 60% before shipment with the goods qualified and accepted.

合同签订之日起, 买方需付 40% 的定金, 设备验收后需付清剩余 60% 款项。

3. 包装 Package: Container package 集装箱包装 To Qingdao port. 运至青岛港。

4. 交货 Delivery Lead time : 60 working days after received the buyer's deposit.

交货期: 收到买方预付款后 60 个工作日交货。

5. 技术支持

5-1. The seller will supply installation service when the machine arrived in buyer's country .

During this, the buyer need supply visa charge, the ticket charge and accommodation for the engineer.

卖方需负责设备到达买方后的安装及调试工作。在此期间, 买方需提供卖方工作人员的签证费、往返机票以及食宿费等相关费用。

5-2. The seller will provide the training 7 days for free.

卖方需向买方提供 7 天免费培训。

6. 保修期 warranty

6-1. We provide 1 year warranty as from the date of delivery.

The warranty does not include accident. human fault or improper use. and the buyer should bear the tickets, visa charge and accommodation the engineer.

As the accommodation, the buyer need to supply our engineer common and safe accommodation.

从发货之日起, 卖方需向买方提供一年保质期。但不包括由意外、人为伤害、不正常操作等引起的问题。买方需提供卖方工作人员的签证费、往返机票以及食宿费等相关费用。

6-2. In 1 year's warranty, for small problems about the machine, seller will help buyer solve it without going to your country.

For big problem (machine stop working), seller will dispatch one engineer to buyer's company to solve problem soon.

The buyer should bear the tickets, visa charge and accommodation the engineer.

一年保修期内, 设备出现小故障, 卖方尽力协助买方维修。

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对于重大问题（机器停止运作），卖方需迅速派工作人员到买方工厂进行维修。在此期间，买方需提供卖方工作人员的签证费、往返机票以及食宿费等相关费用。

7. Other terms 1. This Contract is in duplicate. Each party keeps one copy. 合同一式两份，双方各执一份。

2. This Agreement shall prevail in Chinese, 本协议以中文为准。

机器配置 Main technical parameters

部件名称 parts name	型号、规格、材料 Model, specifications, material	备注 remarks	数量 Quantity
真空室 Vacuum chamber	立式前开门，尺寸：Φ500×600 Vertical front door, size: Φ500×600		1
	桶体及门框，门框材料，桶体不锈钢(SUS304)制造 Body and door frame are all made of SUS304 material		1
真空系统 vacuum pump system	弧源（电磁引弧） Arc source (electromagnetic arc)		3 套 3 sets
	观察窗，用于观察真空室内工作情况 Observation window in order to view the working conditions inside the vacuum chamber		1 套 one set
	平面靶（用于镀金） rectangular plane target (for gold coating)		1 个 one piece
	圆柱靶 cylindrical target		1 个 One piece
真空系统 vacuum pump system	机械泵 2X-8 mechanical pump 2X-8		1 台 1 set
	维持泵 2X-30 Maintain pump 2x-30		1 台 1 set

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	扩散泵 K-300 Diffusion Pump K-300		1 台 One set
转架 Rotating stand	工件转架下装式 8 轴公自转 Workpieces rotating stand ,8 axis revolution and rotation		
电 气 系 统 electricity system	19 英寸标准控制机柜 19 inch standard control cabinet		
	触摸屏加 PLC 控制 touch screen with PLC control		1 套 1 set
	180A 逆变弧电源 180A contravariant arc power supply		3 台 3 sets
	10KW 偏压电源 10KW controvariant power supply		1 台 One set
	10kw 磁控电源 10kw magnetron sputtering power supply		2 台 2 sets
	流量控制、显示器 flow control、display monitor		3 台 3 sets
	全自动 3 路复合真空计 Auto 3 way compound vacuum gauge		1 台 One whole set
技术要求 Technical requirements	抽气时间 $8 \times 10^{-3} \text{Pa} \leq 20$ 分钟。(空载清洁) Pumping time $8 \times 10^{-3} \text{Pa} \leq 20$ min(unload and clean)		
	极限真空 $8 \times 10^{-4} \text{Pa}$ (氦气测漏仪检漏) Limit vacuum $8 \times 10^{-4} \text{Pa}$(Helium leak detector leak detection)		
备品备件 Spare parts			
	各部分易损密封圈一套		

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	Full set of every parts easy damageable seal rings		
	真空规管 1 只 Vacuum gauge one piece		
	各部分说明书一套 operating instructions for all parts		
	机械泵备件各一套 A whole set spare parts of mechanical pump		
	扩散泵油 2 桶 diffusion pump oil 2 barrels		
	真空泵油 2 桶 vacuum pump oil 2 barrels		

Model: 2X-8	Model: 2x-30	Model: KT-300
		

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