

S#	Description	Qty
1.	Kaufman Ion Source Assembly (Without Power Supply) Extraction Size: $\Phi 8\text{cm}$ Ion Beam Energy: 1.0keV – 2.0keV Max Ion Beam: 120mA Ion Beam Spot: $\Phi 160\text{mm}$ (300mm far more from source exit)	02 Nos.
2.	Mechanical Pump Model: TRP-60 Displacement Speed (50Hz) = 18 L/s Ultimate Pressure = 4×10^{-1} Pa (Total Pressure) Inlet Port = KF40 Outlet Port = KF40 Motor Power (3-Ph) = 2.2kW Noise level (without gas blast) = 56 dB Oil Filling = 5.5 L	02 Nos.
3.	Turbo Molecular Pump along with Drive Unit (Power Supply) Model: FFD-250/1800 Inlet Flange = DN250mm Outlet Flange = KF40mm Pumping Speed (50Hz) = 1800 L/s Ultimate Pressure = 5×10^{-7} Pa (Metal Seal) Rotational Speed = 24000 r/min Start-up Time < 10min Mounting Orientation = Any Cooling Method = Water Power Supply Specification: Input Power Supply = 220V $\pm$ 10%, 50Hz Max. Input Power = 1KVA Output Voltage = 120V (Max) Output Frequency = 400Hz+10Hz/ 600Hz+10Hz Start-Up Current = 5A Working Current = 2A	02 Nos.

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4.	High Vacuum Valve Model: QMDBB 80-130 Cylinder or <u>Equivalent</u> Max Pressure = 1.0 MPa, Make: Xingyick Pneumatic Engineering	02 Nos.
5.	Solenoid/ Pneumatic Valve Model: GDO-J40 Max Pressure = 1.0 MPa Connection Size: KF 40 Make: SIEGV	05 Nos.
6.	Solenoid/ Pneumatic Valve Model: GDO-J10 Max Pressure = 1.0 MPa, Connection Size: KF 16 Make: SIEGV	05 Nos.
7.	Solenoid/ Pneumatic Valve Model: GDO-J16 Max Pressure = 1.0 MPa Connection Size: KF 16 Make: SIEGV	02 Nos.
8.	Mass Flow Readout Box, 300SCCM Model: D08-1 D/ZM Make: Beijing Sevenstar Huacheng Electronics Co.	03 Nos.
9.	Tubular Heater Heating power = 4.5kW Maximum Temperature = 350 °C <u>Must compatible for LDHF-550 Multi Arc</u> <u>Coating Machine</u>	05 Nos.