

ANNEX-B
TECHNICAL SPECIFICATIONS

LOT#1. Makers Lab

Sr. No	Equipment	Specifications	QTY	DAP
1	Co2 Laser Cutting Machine	Output Power 150W Laser Tube Brand ERF or Reci Control System Ruida 6442S X axis Square Liner Guides Y axis Double Square Guides Z axis adjust Height 180 mm Minimum Letter English 1.5 X 1.5 mm Resolution +0.05mm / 1000DPI Position System Red-Light Pointer Motor 57 Leadshine Stepper Motor Cooling Mode Water Cooling & Protection System Life <7000Hour Supported Application Fabrics, Wood, Jade, Acrylic, Glass, Ceramic, Leather, Marble, Paper, Rubber, Wood Veneer, Plastic, Tiles. Worktable 5x4 fts, Power voltage 220 Place of Origin: China or equivalent Brand Name: DXTECH or equivalent	1	BUIEMS-Quetta
2	CNC Wood Router	Equipment: CNC Wood Router Range of Spindle Speed(r.p.m): 1 - 24000 rpm Positioning Accuracy (mm): 0.02 mm Number of Axes: 3 No. of Spindles: Single Working Table Size(mm): 1300x2500 Machine Type: CNC Router Travel (X Axis)(mm): 1300 mm Travel (Y Axis)(mm): 2500 mm Repeatability (X/Y/Z) (mm): 0.02 mm Spindle Motor Power(kW): 3.2 Voltage: 220V/380V 50HZ Dimension(L*W*H): 3000*2150*1800mm Application: Wood Acrylic PVC Engraving Cutting Software: Ucanam / ArtCam/TYPE3/Power Mill Working area: 1300*2500mm Spindle power: 3.2 Place of Origin: China or equivalent Brand Name: DXTECH or equivalent	1	BUIEMS-Quetta
3	Fiber Laser Machine	Application: LASER CUTTING Applicable Material: Acrylic, Leather, MDF, Paper, Plastic, Plexiglax, Plywood, Rubber, Wood	1	BUIEMS-Quetta

	<p>Condition: New Laser Type: CO2 Cutting Area: 1500mm*3000mm Cutting Speed:1-10000mm/min Graphic Format Supported: AI, BMP, Dst, Dwg, DXF, DXP, LAS, PLT Cutting Thickness: 1-20mm CNC or Not: Yes Cooling Mode: WATER COOLING Control Software: Ruida Place of Origin: China or equivalent Brand Name: DXTECH or equivalent Laser Source Brand: RECI or equivalent Laser Head Brand: HIGHYAG or equivalent Servo Motor Brand: FUJI or equivalent Guiderail Brand: HIWIN or equivalent Control System Brand: Cypcut or equivalent Weight (KG): 1200 KG Key Selling Points: High-accuracy Optical Lens Brand: II-VI or equivalent Warranty: 1 Year or more Applicable Industries: Garment Shops, Building Material Shops, Manufacturing Plant, Food & Beverage Factory, Retail, Printing Shops, Advertising Company, Other Video outgoing-inspection: Provided Warranty of core components: 1 Year or more Core Components: Bearing, Laser Source Mode of Operation: Pulsed Configuration: 3-axis Products handled: Tube Feature: Water-cooled Working area: 1500*3000mm Control system: FSCUT cutting system Driver system: Fuji servo motor made in Japan or equivalent Liner guider system: PMI made in Taiwan or equivalent</p>		
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4.	Guider 3	<p>Brand: any 300 x 200 x 340 mm Fuel discharged machine Extruder Quantity: 1 Printing Precision: ±0.15 mm Positioning Accuracy: X/Y-axis 0.011 mm / Z-axis 0.0025 mm Layer Thickness: 0.05 ~ 0.4 mm Build Volume: 300 x 250 x 340 mm Nozzle Diameter: 0.4 [0.4/0.6/0.8 mm] Nozzle Type: Stainless steel nozzle Printing Speed: 10 ~ 250 mm/s Maximum Extruder Temperature: 320 °C Maximum Platform Temperature: 110 °C Supported Filament: ABS/PLA/PC/PA/HIPS/PETG/PA_CF /PETG-CF/PETG-GF Power Supply: AC100-240V / DC24V / 20.8A, 500W Slicing Software: FlashPrint Input/Output File Format: Input:3MF / STL / OBJ / FPP / BMP / PNG / JPG / JPEG Output:GX/G file / Gcode Connectivity: USB flash drive / Ethernet / Wi-Fi Compatible Operating System: Windows XP / Vista / 7 / 8 / 10 / Mac OS Compatible Slicing Software: Slic3r / Cura [need setting] Smart Touch Screen: 4.3-inch Build Plate: Flexible steel plate platform / glass platform</p>	1	BUITEMS-Quetta
5.	3D printer	<p>Focus 6K XL or equivalent; large-format high-precision 3D printer for dental and jewellery industry, developed for orthodontic dentistry and denture factories and making jewellery. Breaking through contradiction between precision and format, its large build volume meets</p>	1	BUITEMS-Quetta

		<p>mass customization demands. Print Speed: 10-30mm/h Build Volume: 276*155*200mm Layer Height: 50-150µm(Adjustable) XY Resolution: 50µm Wavelength: 405nm Z-axis : Industrial-grade/Dual Linear Guide Rail + Ball S Projection Screen : 12.8-inch 6K Monochrome Screen Build Plate : Sandblasting + Drilling Platform [Increase adhesion and facilitate drainage] Vat Capacity : 2L Connectivity: USB / Ethernet / Wi-Fi Power : 320W Printer Dimensions: 415*415*665mm Touch Screen: 7-inch Touch Screen</p>		
6.	Scanner	<p>Ein Pro HX Portable or equivalent and user-friendly design Scan Mode: handheld HD Scan, Handheld Rapid Scan Scan Speed: 20 fps 100,000 points/s 7 data capture lines, 30 fps 1500,000 points/s, Single Scan<1s Point Distance: 0.2mm-2mm, 0.2mm-2mm, 0.16mm Single Scan Range: 135*100mm-225*170mm Working Distance: 400mm Compatible with HR Prime Pack: No</p>	1	BUIEMS-Quetta
7	Desktop Computer	<p>HP/Dell or Equivalent MSI MPG Z390 gaming edge Intel Processor 9700F 32GB RAM Gskill 3000mhz 1TB Hardrive seagate Zotac 1650 Super 4GB 600 Watts power supply thermal take C200 casing Computer for Graphic Art Design Corner</p>	2	BUIEMS-Quetta