

## **SUPPLEMENTAL/BID BULLETIN**

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### **ADDENDUM NO. 1**

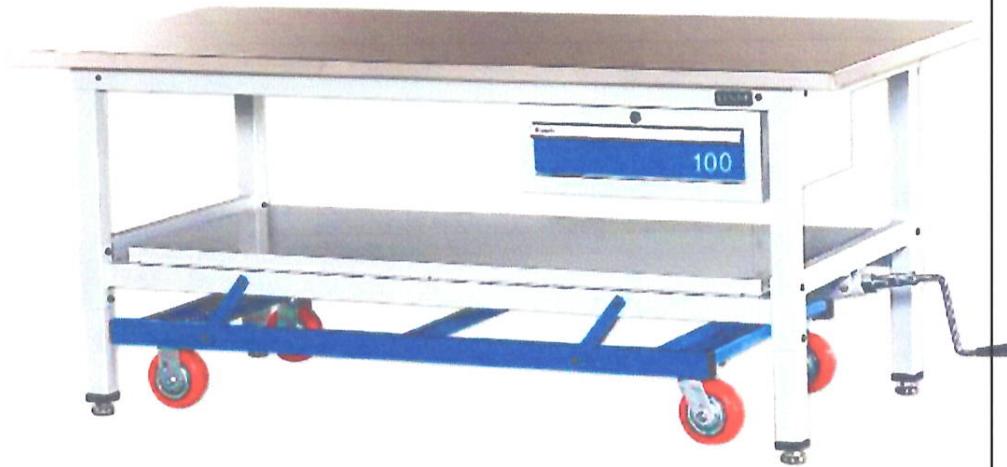
This Supplemental Bid Bulletin No. 1 is being issued to further clarify, modify and amend items, specifications in the Bid Documents to address key issues for the following equipment:

1. **One (1) Unit DMLS Printer with Accessories (Metal 3D Printer)**
2. **Five (5) lots SLA Printer with Accessories (Multi-material)**
3. **Five (5) Units FDM Printer with Accessories (Open Chamber/Filament Material)**
4. **One (1) lot 2MX0.5M FDM Printer with Accessories**
5. **One (1) unit Table Top Blue Light 3D Scanner with Accessories**
6. **One (1) unit Handheld Blue Light 3D Scanner**
7. **Eight (8) Desktop Workstation (CPU) with complete peripherals**

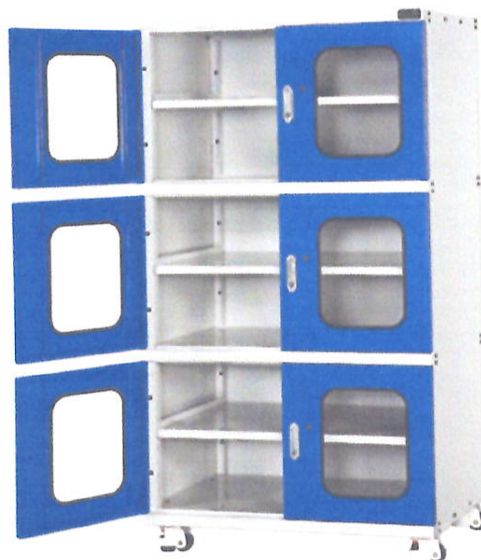
**One (1) Unit DMLS Printer with Accessories (Metal 3D Printer)**

<b>SPECIFICATIONS</b>	
FROM	TO
Scanning Repeatability	
<11µrad	<i>"Omit Scanning repeatability row from TOR"</i>
Electrical Requirement	
230 VAC, 3 phase	220-240 VAC
3D printing Materials	
200kg of metal powder	Breakdown of quantities for the 200kg for each material 80 kg – Stainless Steel 40 kg – Maraging Steel 20 kg – Cobalt Chrome 40 kg - Aluminum 20 kg – Titanium Optional: 20kg – Inconel *All material parameters and all other requirements, to readily print the supplied materials, shall be installed in the machine.
<b>SOFTWARE</b>	
FROM	TO
Included (perpetual license)	Included (perpetual license) with Certificate from supplier that indicates software have perpetual licenses
<b>OTHERS</b>	
FROM	TO
One (1) Heat treatment furnace	
Preferred brand: Nabertherm	Brand: Nabertherm Model: N 161/13 Chamber Furnace
Two (2) extra units Building platforms suitable for all supported materials	Two build plates for each type of supplied material
Tool work table (appropriate with the build volume)	
Included	Included (see attached reference photo)
Steel Cabinet with security lock for non-reactive materials	
Included	3 units (see attached reference photo)
Training	
Operations and Maintenance Training for a total of six (6) Project Staff for at least five (5) days for each training to be done on an industry setting.	Operations and Maintenance Training, prior to delivery of equipment, for a total of six (6) Project Staff for at least five (5) days for each training to be done on an industry setting.
Delivery	
90 days	120 days

Reference Photos:



Preferred worktable for DMLS with dimension : approx. 1.2 x 0.6 m



Preferred steel cabinet for :

- Handheld Blue Light 3D Scanner
- Table Top Blue Light 3D Scanner
- FDM Printer
- 2M x 0.5M x 0.5M FDM Printer



Preferred cabinet for SLA Printer



Preferred worktable for:

- Handheld Blue Light 3D Scanner; approx. 1.2 x 0.6 m
- Table Top Blue Light 3D Scanner; approx. 1.2 x 0.6 m
- SLA Printer; approx. 1.2 x 0.6 m
- FDM Printer; approx. 1.2 x 0.6 m
- 2 M x 0.5 M x 0.5 M FDM Printer; approx. 2.5 x 0.6 m



Preferred cabinet for DMLS