



May 8, 2021

### SUPPLEMENTAL/BID BULLETIN

**Subject: Amendments/Corrections on Technical Specifications**

Please be informed of the amendments on the Technical Specifications for the project **Supply, Delivery, Installation and Commissioning Of Instructional Materials And Equipment For FABLAB:**

ITEM NUMBER	EQUIPMENT	POSTED SPECIFICATIONS	CORRECTED SPECIFICATIONS
1	High-End Branded 3D Printer	Maintenance Tools: <ul style="list-style-type: none"> <li>➢ NFC spool holder</li> <li>➢ 2x print Core AA</li> <li>➢ 1x Print Core BB (for PVA supports)</li> </ul> 3D Printer Specs Key Features: <ul style="list-style-type: none"> <li>➢ Dual filament flow sensors notify you if material runs out</li> <li>➢ Auto detection of materials thru NFC technology material Input</li> <li>➢ Auto calibration via capacitive sensor</li> <li>➢ Down to 20 micron (0.001 inch) layer resolution</li> <li>➢ Open filament system, compatible with 3<sup>rd</sup> party filaments</li> <li>➢ Acrylic enclosure with advanced printing kit</li> </ul> Nozzle Compatibility with: <ul style="list-style-type: none"> <li>➢ AA Print Core Technology Nozzle type</li> <li>➢ BB Print Core Technology for dissolvable support Nozzle type</li> </ul>	Maintenance Tools: <ul style="list-style-type: none"> <li>➢ 2x print Core</li> <li>➢ 1x Print Core (for PVA supports)</li> </ul> 3D Printer Specs Key Features: <ul style="list-style-type: none"> <li>➢ Dual filament flow sensors notify you if material runs out</li> <li>➢ Auto calibration via capacitive sensor</li> <li>➢ Down to 20 micron (0.001 inch) layer resolution</li> <li>➢ Open filament system, compatible with 3<sup>rd</sup> party filaments</li> <li>➢ Acrylic enclosure with advanced printing kit</li> </ul> Nozzle Compatibility with: <ul style="list-style-type: none"> <li>➢ Print Core Technology Nozzle type</li> <li>➢ Print Core Technology for dissolvable support Nozzle type</li> </ul>

		<p>Software: Cura print preparation software</p> <p>Supported File Types: Cura, STL, OBJ, X3D, 3MF, BMP, GIF, JPG, PNG</p> <p>Certification: CE, FCC, VPAT, RoHS, REACH, CB, DIS, KC, PSE, RCM, SRRC, MIC, NCC, Dafe unattended professional use. Includes certificate of official distributorship issued by manufacturer (this is to make sure item is brand new, and legitimate original product to be supplied).</p>	<p>Software: print preparation software</p> <p>Supported File Types: STL, OBJ, X3D, 3MF, BMP, GIF, JPG, PNG</p> <p>Certification: Includes certificate of official distributorship issued by manufacturer (this is to make sure item is brand new, and legitimate original product to be supplied).</p>
2	High-End Branded Laser Cutter	<p>Bundle with:</p> <ul style="list-style-type: none"> <li>➤ SMART Curve software, water chiller</li> <li>➤ Exhaust, air blower, air compressor</li> </ul> <p>Specifications:</p> <ul style="list-style-type: none"> <li>➤ Laser Type CO2 Glass Laser Tube</li> <li>➤ Laser power 130watts</li> <li>➤ Work Area 1300mm x 900mm (4ft x 3ft)</li> <li>➤ Max cutting speed 0-36000 (mm/min)</li> <li>➤ Operating Modes: Raster engraving &amp; Vector cutting</li> <li>➤ Software RDWork V8</li> <li>➤ Power Supply AC220V +/- 50/60 HZ</li> <li>➤ Format supported BMP, GIF, JPEG, PLT, DXF, PCX, TGA Etc.</li> <li>➤ Z-Axis adjustable</li> </ul>	<p>Bundle with:</p> <ul style="list-style-type: none"> <li>➤ software, water chiller</li> <li>➤ Exhaust, air blower, air compressor</li> </ul> <p>Specifications:</p> <ul style="list-style-type: none"> <li>➤ Laser Type CO2 Glass Laser Tube</li> <li>➤ Laser power 130watts</li> <li>➤ Work Area 1300mm x 900mm (4ft x 3ft)</li> <li>➤ Max cutting speed 0-36000 (mm/min)</li> <li>➤ Operating Modes: Raster engraving &amp; Vector cutting</li> <li>➤ Software</li> <li>➤ Power Supply AC220V +/- 50/60 HZ</li> <li>➤ Format supported BMP, GIF, JPEG, PLT, DXF, PCX, TGA Etc.</li> <li>➤ Z-Axis adjustable</li> </ul>
3	High-End Branded UV Printer	<p>Specs:</p> <ul style="list-style-type: none"> <li>➤ Printhead number 3 pcs</li> <li>➤ Print size Max. 600mm x 900mm</li> <li>➤ Print Mode white or colored</li> <li>➤ Print color</li> <li>➤ CMYK + LC + LM + White + Varnish</li> </ul>	<p>Specs:</p> <ul style="list-style-type: none"> <li>➤ Printhead number 3 pcs</li> <li>➤ Print size Max. 600mm x 900mm</li> <li>➤ Print Mode white or colored</li> <li>➤ Print color</li> <li>➤ CMYK + LC + LM + White + Varnish</li> </ul>

		<ul style="list-style-type: none"> <li>➤ Printing Software</li> <li>➤ Flexiprint software</li> <li>➤ Print Resolution: 360dpi*720dpi*1440dpi</li> <li>➤ Temperature: 20-25 C humidity</li> <li>➤ Print Height 0-18cm</li> <li>➤ Rated Voltage AC220/110v 50-60HZ</li> <li>➤ Printer Dimension</li> <li>➤ 155* 168* 62cm (L*W*H)</li> <li>➤ Net/Gross weight 160kg/280kg</li> </ul>	<ul style="list-style-type: none"> <li>➤ Printing Software</li> <li>➤ Print Resolution: 360dpi*720dpi*1440dpi</li> <li>➤ Temperature: 20-25 C humidity</li> <li>➤ Print Height 0-18cm</li> <li>➤ Rated Voltage AC220/110v 50-60HZ</li> </ul>
4	High-End Branded Mechatronics Kit	<p>Stacking Station</p> <ul style="list-style-type: none"> <li>➤ Stacking magazine module</li> <li>➤ Press-fit unit module</li> <li>➤ Multi-pin plug distributor</li> <li>➤ 2 solenoid valves</li> <li>➤ 2 cylinders</li> <li>➤ 1 magnetic limit switch</li> <li>➤ Aluminum slotted assembly board</li> <li>➤ Tool set</li> <li>➤ Workpieces</li> <li>➤ Systainer</li> <li>➤ Equipment trays</li> <li>➤ CD with FluidSIM and documents</li> </ul> <p>Conveyor Station</p> <ul style="list-style-type: none"> <li>➤ Conveyor belt module with DC motor</li> <li>➤ Solenoid as stopper/deflector</li> <li>➤ Multi-pin plug distributorship</li> <li>➤ Inductive sensor</li> <li>➤ Opto sensor (light barrier)</li> <li>➤ Aluminum slotted assembly board</li> <li>➤ Tool set</li> <li>➤ Workpieces</li> <li>➤ Systainer</li> <li>➤ Equipment trays</li> <li>➤ CD with FluidSIM and documents</li> </ul> <p>Handling Station</p> <ul style="list-style-type: none"> <li>➤ Handling module</li> <li>➤ 2 solenoid valves</li> <li>➤ 4 magnetic limit</li> </ul>	<p>Stacking Station</p> <ul style="list-style-type: none"> <li>➤ Stacking magazine module</li> <li>➤ Press-fit unit module</li> <li>➤ Multi-pin plug distributor</li> <li>➤ 2 solenoid valves</li> <li>➤ 2 cylinders</li> <li>➤ 1 magnetic limit switch</li> <li>➤ Aluminum slotted assembly board</li> <li>➤ Tool set</li> <li>➤ Workpieces</li> <li>➤ Systainer</li> <li>➤ Equipment trays</li> <li>➤ software and documents</li> </ul> <p>Conveyor Station</p> <ul style="list-style-type: none"> <li>➤ Conveyor belt module with DC motor</li> <li>➤ Solenoid as stopper/deflector</li> <li>➤ Multi-pin plug distributorship</li> <li>➤ Inductive sensor</li> <li>➤ Opto sensor (light barrier)</li> <li>➤ Aluminum slotted assembly board</li> <li>➤ Tool set</li> <li>➤ Workpieces</li> <li>➤ Systainer</li> <li>➤ Equipment trays</li> <li>➤ software and documents</li> </ul> <p>Handling Station</p> <ul style="list-style-type: none"> <li>➤ Handling module</li> <li>➤ 2 solenoid valves</li> <li>➤ 4 magnetic limit</li> </ul>

		<ul style="list-style-type: none"> <li>switches</li> <li>➤ 2 pneumatic cylinders with plain-bearing guide</li> <li>➤ 1 pneumatic gripper</li> <li>➤ Multi-pin plug distributor</li> <li>➤ Aluminum slotted assembly board</li> <li>➤ Tool set</li> <li>➤ Workpieces</li> <li>➤ Systainer</li> <li>➤ Equipment trays</li> <li>➤ CD with FluidSIM and documents</li> </ul> <p>Compressor Contains:</p> <ul style="list-style-type: none"> <li>➤ 1 stacking magazine station</li> <li>➤ 1 conveyor station</li> <li>➤ 1 handling station</li> <li>➤ 1 compressor with connector for DE, FR, NO, SE, FI, PT, ES, AT, NL, BE, GR, TR, IT, DK, IR, ID</li> <li>➤ 3 x easyport to connect the stations to the computer</li> <li>➤ 3 x power supply unit with connector for DE, FR, NO, SE, FI, PT, ES, AT, NL, BE, GR, TR, IT, DK, IR, ID</li> <li>➤ FluidSIM</li> <li>➤ Documents on CD-ROM</li> <li>➤ Workpieces</li> <li>➤ Tools</li> <li>➤ Screw set</li> <li>➤ Systainers</li> </ul>	<ul style="list-style-type: none"> <li>switches</li> <li>➤ 2 pneumatic cylinders with plain-bearing guide</li> <li>➤ 1 pneumatic gripper</li> <li>➤ Multi-pin plug distributor</li> <li>➤ Aluminum slotted assembly board</li> <li>➤ Tool set</li> <li>➤ Workpieces</li> <li>➤ Systainer</li> <li>➤ Equipment trays</li> <li>➤ software and documents</li> </ul> <p>Compressor Contains:</p> <ul style="list-style-type: none"> <li>➤ 1 stacking magazine station</li> <li>➤ 1 conveyor station</li> <li>➤ 1 handling station</li> <li>➤ 1 compressor with connector for DE, FR, NO, SE, FI, PT, ES, AT, NL, BE, GR, TR, IT, DK, IR, ID</li> <li>➤ 3 x easyport to connect the stations to the computer</li> <li>➤ 3 x power supply unit with connector for DE, FR, NO, SE, FI, PT, ES, AT, NL, BE, GR, TR, IT, DK, IR, ID</li> <li>➤ software</li> <li>➤ Documents on CD-ROM</li> <li>➤ Workpieces</li> <li>➤ Tools</li> <li>➤ Screw set</li> <li>➤ Systainers</li> </ul>
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For your guidance and information of all concerns.

Sincerely yours,

  
**CARLITO C. LARIOSA**  
**Chairperson, PSHS-CMC BAC**