



Republic of the Philippines  
**CAVITE STATE UNIVERSITY**  
**MAIN CAMPUS**  
 INDANG, CAVITE

SUPPLY AND DELIVERY OF MACHINERY AND EQUIPMENT FOR CCAT TECHNOVATION CENTER - FABLAB

ABC: ₱1,598,000.00 / F164

Item No.	Quantity	Specification	Unit Price	Total
1	2 unit	<b>FDM 3D PRINTER</b> <b>SPECIFICATIONS:</b> <b>PACKAGE INCLUSIONS:</b> Technology: FDM (Fused Deposition Modeling) Build Volume: at least 255 x 210 x 210mm Printer Dimension: at least 377 x 365 x 349mm Max. Print Speed: at least 150 mm/s Filament diameter: at least be 1.75mm Nozzle Diameter: 0.4mm Hot Bed Temperature: 60-110°C Power Requirements: 24V, 300W Material Type: PLA, ABS, TPU, SILK, PETG, Nylon Positioning Accuracy: Z 0.002mm, XY 0.01mm Layer Resolution: 0.1-0.4mm Connectivity: WiFi, TF card, USB Extruder Quantity: Single 3D Printer Kit, 1 kg Filament, Slicing Software, 0.4mm Nozzle On-Site Training and Installation 12 Months warranty for parts and service	70,000.00	140,000.00
2	1 unit	<b>MULTI COLOR 3D PRINTER</b> <b>SPECIFICATIONS:</b> Item: Multicolor 3D Printer Machine Features: Multi Color & Multi Material Capability High speed CoreXY with 20000 mm Acceleration Auto Bed Leveling Build Volume (WxDxH): at least 250 × 250 × 250 mm Nozzle: 0.4 mm Max Hot End Temperature: 300 °C Supported Filament: PLA, PETG, TPU, ABS, ASA and Carbon Filament Diameter: at least 1.75 mm Speed: 500 mm/s or higher Slicing Software: Included <b>PACKAGE INCLUSION:</b> 1 unit Automated Multicolor Printing 1 unit Build Plate 1 set Filament Samples (Random Color/Type)	220,000.00	220,000.00

		On-Site Training and Installation 12 Months warranty for parts and service		
3	1 unit	<p><b>DESKTOP CNC ROUTER</b></p> <p><b>SPECIFICATIONS:</b></p> <p>Table size: at least 12.5 in. x 5.9 in.</p> <p>Working area (XYZ) minimum: at least 8.5 in. x 6.3 in. x 2.4 in.</p> <p>Application: Can cut plastics, woods, and even aluminum coated</p> <p>Spindle: ER11 Collets - 5000-20000 RPM - 125W BLDC direct drive</p> <p>Motion: Belt drive or better, maximum speed 120 IPM</p> <p>Voltage Input: 120-240 vac, 50/60 Hz</p> <p>Other Features: Fully enclosed with safety door switch</p> <p>Integrated tool setter Control System: Machine Controller that is easy to learn and with touch screen friendly user interface.</p> <p>Support for up to four axis continuous machining Intuitive conversational programming</p> <p>Built-in recommended speeds and feeds calculator</p> <p>80GB program memory</p> <p>Built-in Cloud storage support for seamlessly transferring programs</p> <p><b>PACKAGE INCLUSION:</b></p> <p>1 Set Machine Controller</p> <p>1 Set System Control</p> <p>1 Unit Electronic Tool Setter</p> <p>1 Set ER11 Collets</p> <p>1 Set Carbide Cutting Tools</p>	455,000.00	455,000.00

		<p>1 Unit AVR</p> <p>Initial Consumable Certificate of authority to sell from the manufacturer or local distributor/reseller.</p> <p>Training certificate provided by manufacturer to certified trainer.</p> <p>On-Site Training and Installation</p> <p>12 Months warranty for parts and service</p>		
4	1 unit	<p><b>CO2 LASER CUTTING AND ENGRAVING MACHINE WITH ROTARY</b></p> <p><b>SPECIFICATIONS:</b></p> <p>Work Surface area: at least 1300 x 990 mm  Dimension: 1800 x 1400 x 1000 mm or equivalent  Cutting speed: at least 30000 mm/min  Engraving Speed: at least 60000 mm/min</p> <p>Laser Type:</p> <p>CO2 Laser Tube  Laser power Included: up to 100Watts  Focus Lens: at least 2.0 in standard  Resolution Ratio: at least 0.025 mm  Repositioning accuracy: at least '+/- 10%  Operating humidity: 5%-80%</p> <p>Graphic format supported: BMP, GIF, JPEG, TGA, TIFF, PLT, CDR, DWG, DXF</p> <p>Software Compatibility: CorelDraw, Photoshop, AutoCAD</p> <p>Cooling Method: Water Cooling (Chiller Included)</p> <p>Materials Compatibility:  Acrylic, Wood, Fabric, Cardboard, Paper, Leather, Foam board, Glass, etc.</p> <p>Extendable Size: Front and Back of laser machine</p>	745,000.00	745,000.00

can be opened suitable for super length material process

Power Requirements: 220V, 50HZ/60HZ

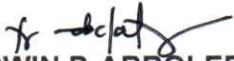
**PACKAGE INCLUSION:**

- 1 Unit Spare Lens
- 2 Units Spare Mirror
- 1 Unit Rotary**
- 1 Unit Air Compressor
- 1 Unit Chiller
- 1 set Starter Consumable
- 1 unit 5KVA AVR

Certificate of authority to sell from the manufacturer or local distributor/reseller.

Training certificate provided by manufacturer to certified trainer.

On-Site Training and Installation  
12 Months warranty for parts and service



**EDWIN P. ARBOLEDA**

TWG Member, Electronics and Communication Engineering (ECE) Equipment



**MICHAEL T. COSTA**

TWG Chair, Electronics and Communication Engineering (ECE) Equipment

5	1 unit	<p><b>A3 SIZE MULTIFUNCTION PRINTER</b>  <b>Printer Type</b></p> <p>Type: Multifunction Printer (Print, Scan, Copy)</p> <p>Technology: Inkjet</p> <p>Print Specifications:  Max Print Size: A3 (294 x 420 mm)</p> <p>Print Resolution: 1200 x 1200 dpi  Print Speed: 20-25 pages per minute (A4), 10-15 pages per minute (A3)</p> <p>Duplex Printing: Automatic</p> <p>Scan Specifications  Scan Resolution: 1200 x 1200 dpi  Scan Speed 20 pages per minute (A4)  Max Scan size: A3</p> <p>Copy Specifications  Copy Speed: 20-25 copies per minute (A4)  Copy Resolution: 600 x 600 dpi  Duplex Copying: Automatic</p> <p>Paper Handling  Paper Input Capacity: 250-500 sheets  Paper Output Capacity: 100-250 sheets  Paper Tray: 2-3 trays (including multipurpose tray)</p> <p>Connectivity:  USB: USB 2.0 or 3.0  Network: Ethernet, Wifi  Mobile Printing  Other Features  Display: Color touchscreen (3-5inches)  Memory: at least 512MB  Processor Speed: 600 MHz – 1GHz  Monthly Duty Cycle: 50,000 pages  Physical Specifications: Manufacturer's Standard</p> <p>Additional Features: Energy saving mode</p> <p>1yr warranty</p>	38,000.00	38,000.00
			SUB TOTAL	1,560,000.00
			TOTAL	1,598,000.00

(on-leave)

**MR. DINDO C. MARGES**  
TWG Member, Computer and Office Equipment

  
**ANZLEY R. CRUSIS**  
TWG Member, Computer and Office Equipment

  
**MS. EMELINE C. GUEVARRA**  
TWG Chair, Computer and Office Equipment