

SR. NO.	Components	Description (Technical Specification)	Appro. Price	Quantity
1.	CNC 5-Axis vertical machining centre with hybrid manufacturing	Spindle Speed up to 40,000 RPM, 180mm travel in the X axis, 300mm travel in the Y axis, and 150mm travel in the Z axis, 15-tool automatic tool changer	₹11,00,000	1
2.	CNC Turn Mill centre for production	Hydraulic Chuck Size - 8" Dia. of Spindle Bore - 65 mm Spindle Speed Range - 50-3000 r/min	₹17,00,000	1
3.	Mobile COBOT system for CNC milling/Turning system			1
4.	CNC simulator for CNC mill and CNC lathe	Simulates turning, milling, plasma cutting, and 3D printing. Includes a built-in CAD/CAM system called SimCam.	₹40,000 Per simulator	2
5.	High precision universal cylindrical grinding machine	Max. length ground (OD) / Distance between center (mm) – 500 Center Height (mm) – 135 Dia. Ground (OD) (mm) - 5~200 Dia. Ground (ID) (mm) - 25~100 Max. length ground (ID) (mm) – 12	₹15,00,000	1
6.	Precision Surface Grinding Machine (Medium Size)	Number of T-slot - 14x1 mmxn Speed of working table - 18 m/min Wheel size (diaxwidthxbore) - $\Phi$ 350x30x127 mm Spindle speeds - 1440 rpm The total power of electric motor - 6.5 kw Cross feed motor of table - 0.06 kw	₹7,50,000	1
7.	Fast Speed Reusable Wire EDM Machine	Max. cut taper (°/mm) - $\pm 12^\circ/80$ Machining accuracy i) Octagon (mm) - $\pm 0.006$ ii) Taper (mm) - $\pm 0.015$ Max. machining speed (mm <sup>2</sup> /mm)- 260 Molybdenum wire range (mm) - $\varnothing 0.12$ -2 Rate power – $\leq 3$ Kw Voltage - 3-380/50 V/Hz	₹21,00,000	1
8.	Additive Manufacturing Desktop 3D Printer for Training	Max Hot End Temperature - 300 °C Max Speed of Tool Head - 500 mm/s Max Acceleration of Tool Head - 20 m/s <sup>2</sup> Electrical Requirements - 100-240 VAC, 50/60 Hz, 1000 W @220 V, 350W@110V	₹60,000 Per Piece	4

9.	Industrial Composite 3D Printer	<p>Process - Composite Fused Filament Fabrication, Continuous Fiber Reinforcement.</p> <p>Temperature Control - Heated chamber reaches up to 60°C ready-state.</p> <p>Materials – Plastic - Onyx®, Onyx FR, Onyx ESD, Nylon White, Nylon White FS</p> <p>-Continuous Fibre - Carbon Fiber, Carbon Fiber FR</p> <p>Print System - Direct-drive print head with two nozzles (one plastic, one fibre), automatic material changeover</p>	₹50,00,000	1
10.	POWDER BED FUSION-SLS 3D Printer	<p>Build envelope - 150 × 200 × 150 mm</p> <p>Build Volume – 4.5L</p> <p>Max. resolution (XY) – 0.1mm</p> <p>Max. resolution (Z) – 0.08mm</p> <p>Process - Powder Bed Fusion (PBF)</p> <p>Materials - Polymers</p> <p>-Thermoplastics</p> <p>-Polyamides</p>	₹11,05,000	1
11.	SLA 3D Printer with essential accessories	<p>Frame material - Acrylic plate</p> <p>Nozzle quantity - Single Nozzle</p> <p>Diameter - 0.4mm</p> <p>Nozzle temperature - 170-275 Degree</p> <p>Product forming size - 220 x 220 x 240mm</p> <p>Memory card offline print - SD card</p> <p>LCD Screen - Yes Print</p> <p>Speed - 40 – 120mm/s</p> <p>Supporting material - ABS, PLA</p> <p>Material diameter - 1.75mm</p> <p>Language - English</p> <p>File format - G-code, OBJ, STL</p>	₹2,00,000 Per Piece	2
12.	Metal Powder Bed Fusion Machine	<p>Technology - Atomic Diffusion Additive Manufacturing (ADAM)</p> <p>Materials - Steels, titanium, copper, Inconel</p> <p>Highlights - Compact and cost-effective, ideal for prototyping and low-volume production.</p>	₹80,00,000	1
13.	Industrial 3D Scanner	<p>Scan Accuracy - up to 0.045 mm</p> <p>Volumetric Accuracy - 0.3 mm/m</p> <p>Scan Speed - 10 frames/s; 3,000,000 points/s</p> <p>Software Include - ExScan Pro, Solid Edge SHINING 3D Edition</p>	₹8,00,000	1
14.	Digital Data Capturing Device for Training / Skilling			2

15.	Automated Storage & Retrieval Systems	Usage/Application – Warehouse Storage Capacity - 500 KG to 5000 KG Material – Mild Steel	₹20,000	1
16.	PCB Prototyping Machine Setup	Spindle RPM – 12000 Drive System - Stepper Motors Job Material - Aluminium, copper and nickel Stencil Model - PCB bot proto Work area XYZ - 140x200x40 Capable of handling Drilling, Milling & Routing, etc. operations at a rapid traverse of 4000mm/min	₹3,50,000	1
17.	Software Solutions Under the COE			1
18.	Desktop Computer	Brand Processor - Intel CPU No. of cores - Quad-core Graphics Processor - Intel GPU Processor Speed - 3.4 GHz processor Hard Drive Type - Solid State Drive Installed Memory – 8 GB RAM Drive Capacity - 512 GB Storage Monitor Size - 23.8 in screen Operating System - Windows 11 Home Memory Storage Capacity - 512 GB Memory Slots Available - yes	₹50,000 Per Piece	15
19.	Accessories & Facility Development Cost	-		-
20.	Trainer Cost	-		-
21.	Learning Content & Learning Platform Cost	-		-