

Design Fabrication Center Equipment List

	Name of Product	Material	Function and Specs	Manufacturer	Model #	Unit	Tutorial Hrs.
Class 1	3D Printer	ABS/PLA	Modeling (305x203x203mm <sup>3</sup> )	Stratasys	Dimension Elite	1	2hrs
	3D Printer	ABS/PLA	Modeling (2940x275x265mm <sup>3</sup> )	3D Systems	Cube X	1	
	3D Scanner			Artec	Spider	1	
	Milling Machine	Resins/Foam/Wood	3D Carving Process (123x305x305mm <sup>3</sup> )	Roland	MODELA MDX-40A	1	2hrs
	Laser Cutter	Paper/Wood/Resin/Glass	2D Cutting/Engraving (9560x610x10mm <sup>2</sup> )	GCC	LaserPro X380	1	2hrs
	Paper Cutter	Paper/Vinyl Sheet	Excision	graphtec	CE6000-40	1	
	Embroidery Machine	Fabric/Leather/Paper	Embroidery (360x360mm <sup>2</sup> )	brother	PR1000e	1	2hrs
	Industrial Grade Sewing Machine	Fabric	Sewing	baby lock	Excim-pro 9500N	1	
	Lock Stitch Sewing Machine	Fabric	Sewing (anti-fray edging)	baby lock	BL72S	1	
	Fabric Printer	Fabric	Full Color Printing (1605x $\infty$ mm <sup>2</sup> )	MUTOH	ValueJet 1628TD	1	2hrs
High Pressure Steam Iron		Smooth out Creases/Adhesion	NAOMOTO	HYS-520P	1		
Class 2	Precision Mini Lathe	Wood/Resin/Metal		Mr. Meister	Compact3	1	1day
	Bench Drill	Wood/Resin/Metal		RYOBI	TB-1131K	1	
	Table Top Thread Saw	Wood/Resin		RYOBI	TFE-450	1	
	Belt Disk Sander	Wood/Resin/Metal		RYOBI	BDS-1000	1	
	Slide Circular Saw	Wood/Resin		Hitach Koki	C6RSHC	1	
	Cordless Impact Driver	Wood/Resin/Metal	Drilling/Fastening	Panasonic	EZ7207	2	
	Cordless Drill Driver	Wood/Resin/Metal	Drilling/Fastening	Hitachi Koki	FDS 12 DVC	2	
	Drill Driver	Wood/Resin/Metal	Drilling/Fastening	Hitachi Koki	D 10BA	2	
	Hand Router	Wood/Resin/Metal	Grinding	URAWA	MINITOR JET II UC23	1	
	Jigsaw	Wood/Resin/Metal	Sawing	makita	4329	2	
	Orbital Finishing Sander	Wood/Resin/Metal	Sanding	makita	BO3710	2	
	Cordless Tacker	Wood	Fastening	makita	ST120DRF	1	
3	CNC Milling Machine	Metal/Resin	3D Carving Process	ProSpecTools	PSF550-CNC	1	1day
	Hot Wire Foam Cutter	Polystyrene Foam, etc.	Cutting	MANIX	HCM-2S	1	
	Foam Cutter	Polystyrene Foam, etc.	Cutting	SURE	HC-300F	1	
	Heat Cutter	Plastic	Cutting	SURE	RC-40	1	
	Heat Gun	Plastic	Heat Transformation	HAKKO	NO.880B	1	
	Ultrasonic Cutter	Plastic	Cutting	HONDA Electroni	USW-334	1	
	Ultrasonic Stapler	Plastic	Fastening	SUZUKI	SUH-30	1	
	Large Format Printer	Specified Paper	Full Color Printing	EPSON	PX-H10000	1	
	Multifunction Color Laser Printer		A3 Full Color Printing/Scanning	FUJI XEROX	ApeosPort V C4475	1	
	Interactive Plasma Display		Image Display	Panasonic	TH-50PB1J	1	
	Teleconference System		Teleconferencing	polycom	HDX7000	1	
	Projector		Video Projector	EPSON	Offirio EB-1771W	3	
	Mobile Screen		Image Projector	Kokuyo/EPSON		6	
	Soldering Iron		Soldering	HAKKO/goot		8	
	DC Stabilized Power Supply		Electrical Supply	AND	AD-8724D	1	
	Oscilloscope		AC Waveform Oscillation Detector	TEXIO	DCS-4605	2	
	Function Generator		AC Power Supply Frequency Converter	TEXIO	FG-274	2	
	Digital Multimeters		Various Measurements	SANWA	PC7000	5	
	Digital Multimeters		Various Measurements	SANWA	CD731a	2	
	Blower Vacuum		Blower/Dust Extraction	RYOBI	RESV-1010	1	
	Vacuum Cleaner			Panasonic/Monotaro		3	
	Handtools	Various					
	Audio Visual Equipment	Various					