



















**Machine Shop Lab Fabrication
32/C06 (1098 SF)**

Nro.	Equipment Name	Function / utilization
1	PALMGREEN Drilling - Milling Machine BF30 Vario 	Designed and Manufactured to be used for milling and drilling cold metals or other non-flammable materials.
2	Clausing 20" Swing, Variable Speed Pulley Drill Press 	For drilling big/heavy duty cool metals or other non-flammable materials. Drill presses are used for several for countersinking, counterboring, drilling, reaming, and tapping operations.
3	Peck, Stow and Wilcox Co. Pexto Food Squaring Shear, Model 152-K 	For Sheet Metal Shear, Cap. 52" wide 16 gauge (Soft Steel)
4	Lincoln Electric Wire Feeder Welder / MIG Weld 140 AMP Machine. 	For welding process (Steel) / For MIG Weld using 75/25 % Ar/C02 shielding gas or 100 % C02 shielding gas (Aluminum, Stainless steel, Cast iron.)

5	<p>Lincoln Electric PRECISION TIG 225 (208/230V - NEMA 6-50P plug.)</p> 	<p>For AC TIG welding of Aluminum. Special gas required: Argon, Helium.</p>
6	<p>GANESH, Model: S-712 Band Saw</p> 	<p>For cutting process of metals, plastics, and other materials.</p>
7	<p>JET Shear, Brake, and roll machine</p> 	<p>For Shear, Bending and Roll process of metals sheets.</p>
8	<p>DEWALT 4.5-Gallon Portable Electric Horizontal Air Compressor</p> 	<p>A heavy duty 4.5 Gallon, 225-PSI wheeled compressor is an oil-free compressor that delivers 5.0 CFM at 90-PSI. Max pressure 225-PSI.</p>

9	<p>Baldor Electric 8107WD 8" Grinders 0.75 HP - 115/230V -3600 rpm (2)</p> 	<p>For general purpose grinding. Used for shaping to objects or parts by removing material. Sharpens tools. 3/4 horsepower motor is suitable for heavy grinding.</p>
10	<p>Central Machinery 5 speed Bench Drill Press with work light.</p> 	<p>For drilling cool metals or other non-flammable materials.</p>
11	<p>Central Machinery 4"x36" Belt & 6" Disc Sander</p> 	<p>Disc sander/Belt sander combination for general sanding purpose</p>
12	<p>Taig Micro lathe II - Model 4500 - Spindle nose 3/4-16 S.A.E - 7000 rpm</p> 	<p>For Facing and Turning Operations, Drilling Center Holes to a Specific Depth.</p>
13	<p>DEWALT 20 Volts Cordless Drill/Driver</p> 	<p>For general drilling process. (1 regular drill + 1 hammer drill)</p>

<p>14</p>	<p>Ganesh GBM- CNC 2616 Milling Machine</p> 	<p>CNC Milling Machine allow intricate designs to be crafted from a full range of materials, steel, ceramics, plastic compounds, wood, composites, etc. (CNC) computer numerical control milling is a machining process which employs computerized controls and rotating multi-point cutting tools to progressively remove material from the workpiece and produce a custom-designed part or product.</p>
<p>15</p>	<p>Ganesh GBM CNC GT-1628 Lathe</p> 	<p>A lathe is a machine that rotates a workpiece on a spindle to cut away excess material, using cutting tools and drill bits with different diameters that are applied to the workpiece to produce a symmetrical object. (CNC) Computer Numerical Control Lathe Machines are capable of producing a variety of shapes, cuts, and details on a rotating work part. CNC lathe machine could be programmed to make difficult cuts on tough materials and produce quality pieces at a high rate.</p>
<p>16</p>	<p>Optimum Machinel-Germany Lathe Model: Opti D 240 x 500 G</p> 	<p>A lathe is a machine that rotates a workpiece on a spindle to cut away excess material, using cutting tools and drill bits with different diameters that are applied to the workpiece to produce a symmetrical object. This particular lathe is a manual operated Lathe.</p>

17	<p>Chicago Electric Miter saw with Laser Guide</p>  A Chicago Electric miter saw with a laser guide, mounted on a black metal stand. The saw is positioned on the top shelf, and the laser guide is visible as a red line on the blade's path.	<p>For metals, wood, and a wide variety of materials cutting process with high precision.</p>
18	<p>SUMMIT MACHINE TOOL LLC LATHE - 14" X 40"</p>  A Summit Machine Tool LLC manual lathe, 14 inches wide and 40 inches long. It is a complex machine with a blue base and a white upper body. A workpiece is mounted on the lathe, and a cutting tool is being used to shape it. A lamp is attached to the machine for illumination.	<p>A lathe is a machine that rotates a workpiece on a spindle to cut away excess material, using cutting tools and drill bits with different diameters that are applied to the workpiece to produce a symmetrical object. This particular lathe is a manual operated Lathe.</p>