

CAPABILITIES CHART

ADVANCED

OUTCOME	MACHINE & USAGE	EXAMPLE APPLICATIONS	SCALE / SIZE	ACCURACY	MATERIAL	DURABILITY	KEY ADVANTAGES
Large and small 2D pieces ready to be installed into a large prototype. Heavy-duty materials such as aluminum, steel, and wood can be cut with ease and precision. No distortion from the cutting process. Perfect for building large prototypes, or small prototypes involving thicker pieces. Possibilities for angular cuts. Can cut almost anything.	OMAX CNC Waterjet	1. Cutting of 2d or bent, components or brackets. 2. Cutting of	120in x 60 in or 3048mm x 1524mm	+/- 0.005in - 0.010in or +/- 0.125mm - 0.250mm	1. Aluminum 2. Steel 3. Stainless Steel 4. Wood 5. Glass 6. Stone 7. Foam/Rubbers		Large bed size Ability to cut almost anything
Precision 3D pieces fabricated out of metal. Perfect for heavy-duty pieces under loads and need to stand the test of time. For use in a final design.	HAAS CNC Mill	1. Complex custom components. 2. Finish machining or cleanup of 3d printed parts.	20in x 16in x 20 in or 508mm x 406mm x 508 mm	+/- 0.001in - 0.003in or +/- 0.025mm - 0.075mm	1. Aluminum 2. Steel 3. Stainless Steel 4. Cast Iron 5. Plastics		Create percise, high strength 3D shapes quickly
Intricate and detailed 2D pieces for enclosures or interlocking designs. Excellent to be used in a MVP for beta testing or demonstrations. Given the speed of the laser cutter, can be used in small-batch manufacturing as well. Great for customization of pieces using the engraving functionality. Metal can be engraved using the fibre laser option. A variety of materials can be cut with the CO2 laser option provided they are safe.	Epilog Fusion Dual Laser Cutter	1. Etched metal signage 2. Cutting gaskets form foam/rubber	40in x 28in or 1016 x 711 mm	+/- 0.010IN OR +/- 0.250MM	1. Aluminum 2. Steel 3. Stainless Steel 4. Wood 5. Cardboard 6. Paper 7. Foam/Rubbers	1.1 / 5 stars	
Large and small 2.5D pieces. Cut interlocking pieces to make a larger prototype. Create beautiful engravings in wood for use in signs or forms. With post-processing, can be used in a final production design.	AXYZ CNC Router	1.Cutting or shaping of large wooden panels 2. Precise cutting of 2D plastics components 3. Engraving	120in x 60 in or 3048mm x 1524mm	+/- 0.005IN - 0.010IN OR +/- 0.125MM - 0.250MM	1. Wood 2. Plastics 3. Aluminum		Large bed size