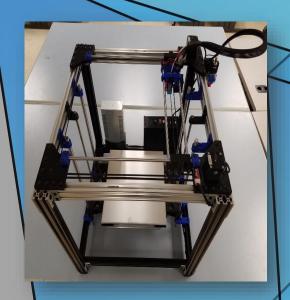
Mission Statement



Craft Cube is a low cost 2 in 1 CNC Machine that utilizes a user-friendly operating. The design of the machine is constructed through parts 3Dprinted or available online. A camera aide is mounted on the platform in order to assist the machine in detecting the dimensions of the object.

Meet The Weetm

Ammar Ahmed- Ammar is a senior, majoring in Electrical Engineering at Sacramento State University. His focus is in control systems with a small emphasis in Analog IC Design. His contribution towards the project was the development of the computer vision system. This system was insplemented on OpenCV-Python to get the dimension and location of the object in the working space. Surrently, he is a member of the Hornet Hyperloop of the IEEE, and Tau Beta Pi (L. sineering Honor Society). Email: Ammaría 1993@hotmail.com

Thomas Bock- Thomas is a second semester senior majoring in Electrical Engineering at Sacramento State, with a focus on control systems. His contribution to the project was the design and construction of the frame and linear riotion system of the Craft Cube. This system allows for accurate and reliable motion of the end effector.

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Michael Golez- Michael is a senior engineer at California State University, Sacramento, majoring in Electrical Engineering. His primary focus is Digital/Analog Systems with a small emphasis in Control Theory. In the design of the CNC laser system, his contributions include the powering and operation of the laser diode and laser control circuitry. This involved designing and implementing a constant current source that can operate the laser safely.

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Tan Hua- Tan is a Communication
System Engineer with a minor focus on
Digital Signal Processing. Over the years
at Sacramento State, he spent time
practicing software development.
Currently he is working as an I.T. support
for the state. As a result, his main focus
towards the project would be the
software implementation towards
controlling the CNC laser system.
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GIFCH RE

2-in 1 GNG Machine



California State

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