

Abstract Submitted
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XY Lithography Table KENT GRIMES, TAYLOR FREEHAUF, None
— The objective of this project was to create an XY Lithography table that will scan the surface of an object with a laser and photometer. This project utilized a relatively inexpensive set of materials including stepper motors, a stepper motor drive card to drive the motors, motion relay switches and slide rods. This table is comprised of some scrap wood to assemble the structure. With the table built, it can be used to produce a light intensity mapping of the surface of an object placed under the table. Using the programming software LabVIEW and Microsoft Excel, we were able to program the table to map a photometrical sketch of any surface or object within its one foot square area.

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None

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