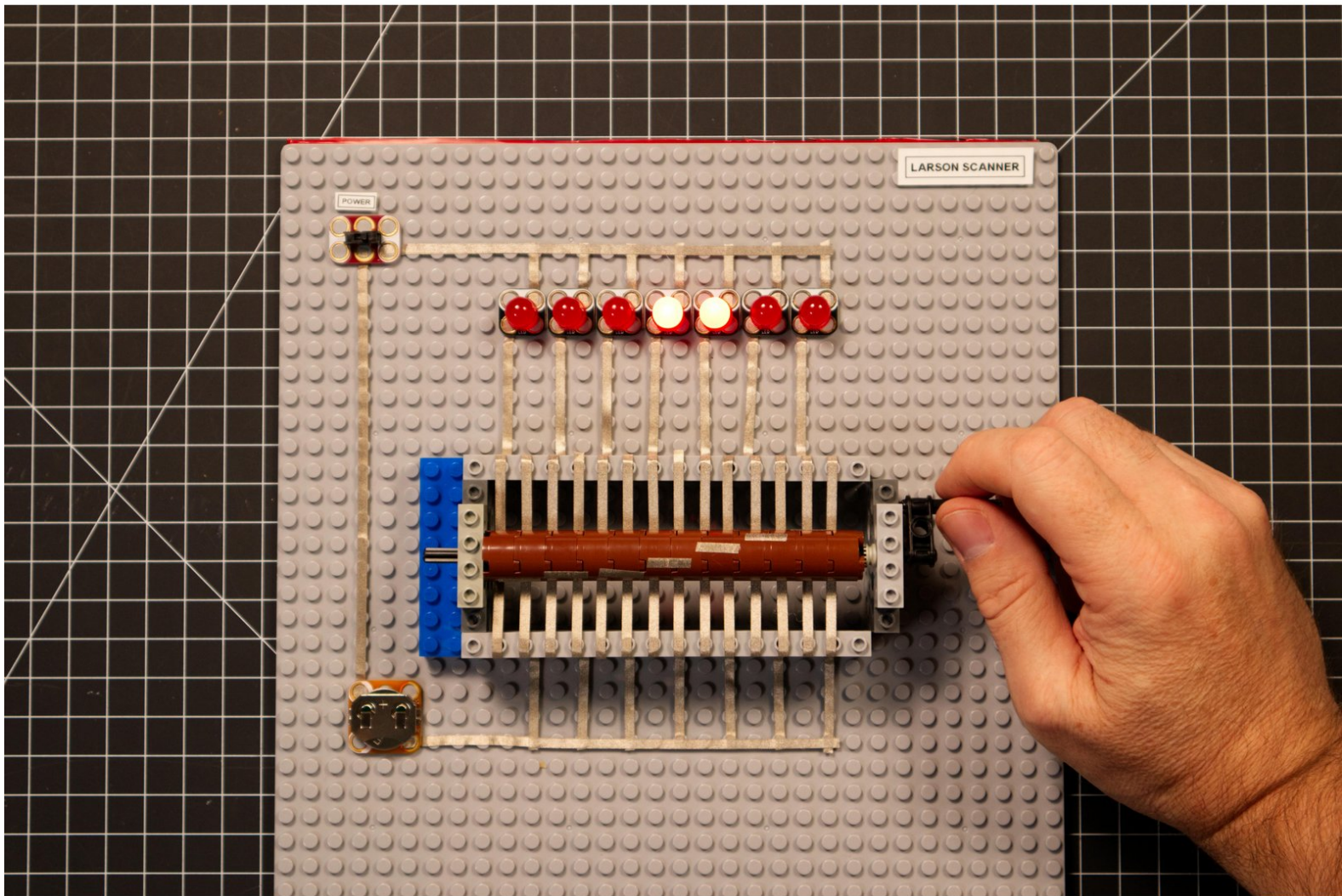




Larson Scanner

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INTRODUCTION

Build an analog, hand-cranked, LEGO-based Larson Scanner using our Crazy Circuits system. Turning the crank will rotate the cylinder and cause each circuit to be completed in sequence.



TOOLS:

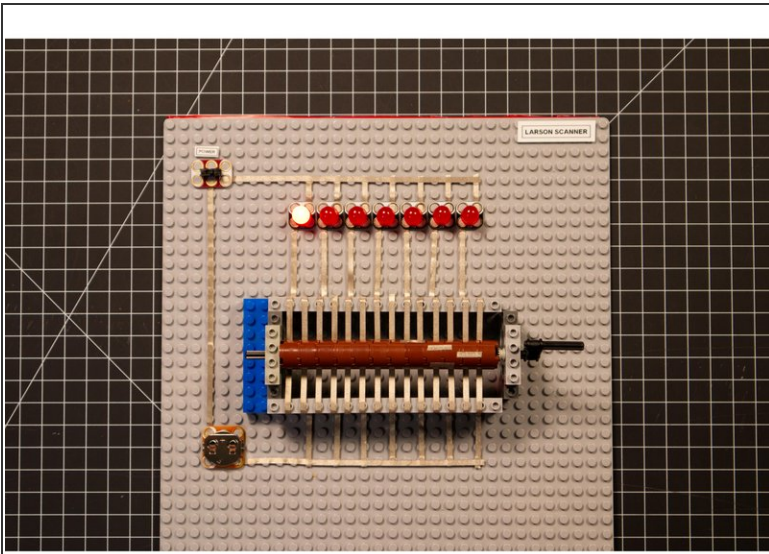
- Scissors (1)



PARTS:

- Crazy Circuits LED Chip (7)
- Crazy Circuits Coin Cell Battery Holder (1)
- Maker Tape (1)
1/8"
- LEGO Bricks (1)
- Misc
- Crazy Circuits Slide Switch Chip (1)
- Optional

Step 1 — Build



LEGO Technic Half Beam 3 with Knob and Pin (33299 / 61408)



LEGO Pin Joiner Round with Slot (29219 / 62462)

- See the attached PDF guide, as well as the photos and video to understand how the Larson Scanner works.
- We've also got a longer video of the Larson Scanner in action available on the [Brown Dog Gadgets YouTube Channel](#).
- ⓘ Note: You can use more or less LEDs than what we've used in our guide. This project can be scaled up or down quite easily.
- So far our favorite crank is made with two pieces. The [LEGO Technic Half Beam 3 with Knob and Pin \(33299 / 61408\)](#) and the [LEGO Pin Joiner Round with Slot \(29219 / 62462\)](#).
- 📌 For a simpler version of this project, check out our [Hand-Cranked Circuit](#) guide.