1

ShopBot ®

LASER POINTER INSTALLATION

1st GENERATION DESKTOP MODELS

2 Items Included

1 - Laser Pointer Body

1 - Laser Pointer Mounting Bracket

1 - Wago Tool

1 - 2.5mm Allen Key

2 - Flat Head M4 x 10mm Screws

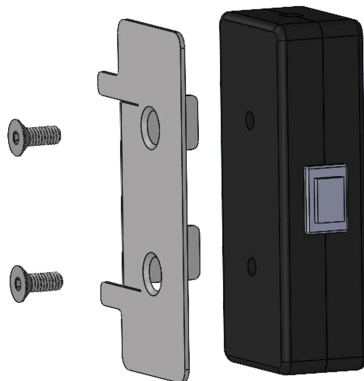4 - ½" x ½" 3M VHB Tape Pieces

1 - Extension Kit

3 Bracket Assembly

Assemble bracket with the two tabs facing the front of the Laser pointer body. This will allow the laser to be mounted to the YZ Carriage carriage.

Attach the bracket using the the two flat head M4 x 10mm screws and the provided 2.5mm Allen wrench.

DO NOT OVERTIGHTEN SCREWS
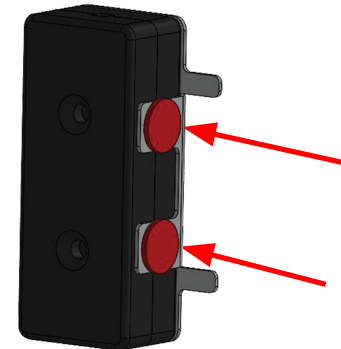

4 Applying Adhesive

Remove two of the red double stick dots from the wax paper.

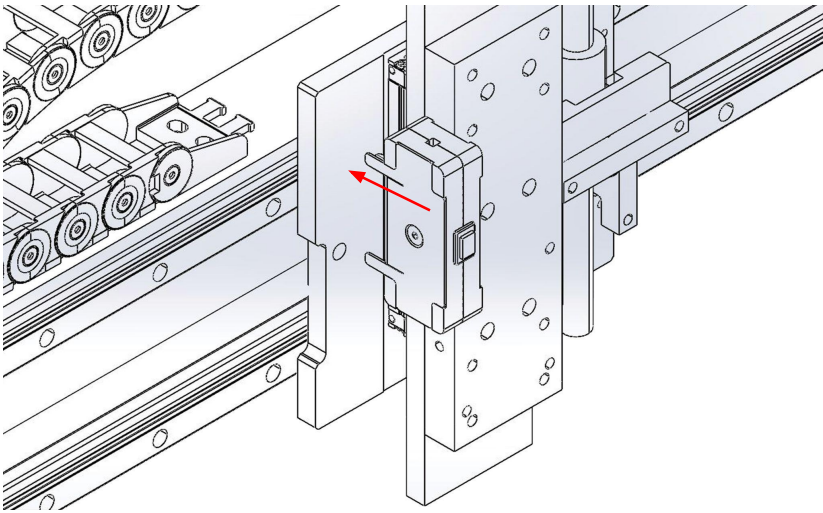Next peel the backing off of the two tabs of double stick tape.

Place the two tabs of tape on the back of the bracket.

Remove the red plastic cover side of the backing by peeling off the top cover.

5 Applying Adhesive

Make sure to clean the metal plate. Wipe off all dust, chips and oil to ensure the 3M tape will stick to the aluminum plate securely.

6 Installation & Cable Management

Run wire through extrusion, around the back of the tool, back to the lower support arm, across the tool, up the end plate, across the gantry and through the echain.

Secure the new WAGO clip to back of Z motor mount.

PLUG IN TO STOCK WAGO CLIP

All ShopBot models have a wago connector for attaching several Z Axis Zeroing Devices.
You will be using this connector to power your laser pointer.
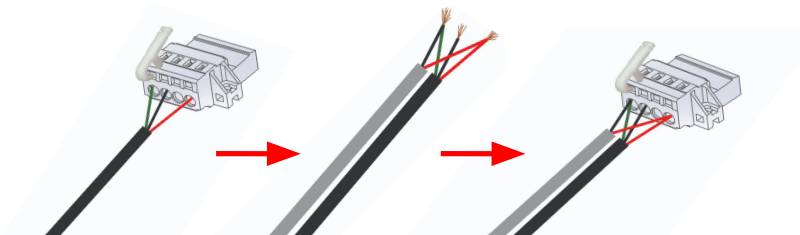
7 Wago Wiring

The wiring for the wago connector will look like the first picture.

With the 1st generation DeskTop models you will have an excess of wire com off the Laser Pointer itself. Feel free to trim as much as you need to so that y wires are tidy.

Insert the hook end of the provided white plastic wago tool into recessed portions of the clip. Take out the green wire first.
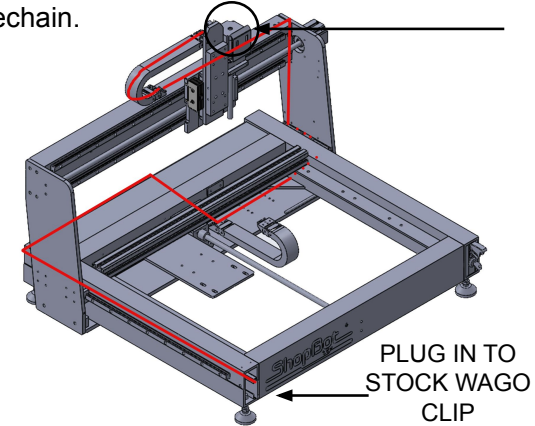
Twist the bare green wire and black wire from the laser pointer together and Install wires Into Z - zero plate Wago Clip.

Repeat this step for both red wires.

8 ShopBot®

Your laser pointer is now installed.

Please visit

https://www.shopbottools.com/support/documentation/accessories

to download the Laser Pointer Files and Calibration Documentation.

Please contact ShopBot support if you have any issues.

1-888-680-4466
ShopBot Tools, Inc.
3333B - Industrial Drive
Durham, NC 27704
USA