

Who is Studio HILO?

Studio HILO creates playgrounds for independent yarn manufacturing and empowers people for local production. The HILO Spinning Machine (and Software) is an open source project by Studio HILO and allows users to produce their own customized yarn.

More information: www.studiohilo.com

What can you do with the HILO Spinning Machine/Software?

With hardware (HILO Spinning Machine) and software (HILO App) you can create different kinds of yarns. The software helps you to design and plan the yarn digitally – for weaving or knitting textiles. The hardware allows you to spin and twist the personalized yarn, all you have to do is to insert raw fibres of your choice (e.g. wool, flax, plastics) and press play. This is a tool for prototyping and experimenting!

How does this instruction work?

We made a step by step instruction for materials order, hardware construction and software control. Just follow the order of the folders and in each folder you will find a readme.pdf that instructs you – please read it first of all.

What are the steps?

1. Introduction
2. Order_Material List
3. Prepare_3-D and laser cutting
4. Build_HILO Spinning Machine
5. Download_HILO App
6. Connect_Arduino
7. Documentation_HILO Software
8. How to start?

What is the status quo of this project?

We documented every part for the HILO Spinning Machine/Software (Metal Prototype 1, October 2019) but we continue working on both. This project is at an early stage of development, every piece of hardware and software is in beta version.

How to reach out for support?

We built this, but we need your help to adjust and improve the current prototype. Send us your ideas, experiments, bugs and improvements. We are happy to see our project grow! Get in touch with us via diy@studiohilo.com

Have fun!