

## **How to work with this material list?**

Please carefully read this introduction before ordering.

We tried to make the order process as easy as possible: All shop links, prices and product names are in the order list – we recommend to tick them off the check list once ordered.

This material list is only a suggestion and based on orders from Germany. Feel free to choose other shops and materials but be aware about the parts that only work from the same brand (see descriptions).

We tried to make it understandable for everybody, not only for advanced builders. So if you never built machines before in your life, you can do it! This HILO Spinning Machine/Software is a second prototype and it works great but you have to reassemble it yourself.

Don't hesitate to get in touch if you need support, have notes or feedback: [diy@studiohilo.com](mailto:diy@studiohilo.com)

## **What to be aware of...**

### **... with extrusions (profiles)?**

If you order the aluminium extrusions (profiles) for your machine be aware to order each part by the same company, same size, same profiles. Otherwise later on things will not fit well; especially be aware of the T-Slot Nuts.

### **... with electronics?**

All electronics have a number in the description, be aware to order the correct number (also when ordering in other shops). Also double-check the connections, e.g. if they are the same from the wires to the stepper motor. If you should have doubts, ask us.

When ordering the *Arduino mega*, please order the original one. We know that it's a bit more expensive but it will save you frustration and time – and you support their cool open source business.

### **... with screws, bolts und nuts?**

We prefer to have the same size of screws, bolt and nuts. It is M4 for everything, with crosshead or hex. Only the stepper motors are M3, as this is determined by the stepper motors. You can find the M4 and M3 screws, bolts and nuts in every length you need in hardware stores all around (Germany).

Angels and mounting already include the needed screws (if you order it from the link in the material list), so you don't need to buy them additionally.

### **... when ordering in general?**

Sometimes it takes you three times to order the right part, we've been there. Always keep the receipt and make sure you have a retour voucher. The order process takes about 3 weeks. Order first and use the delivery time to print and produce the 3-D and laser cutting parts (next folder). Ordering process can be exhausting but don't give up, because the fun part is about to start!