

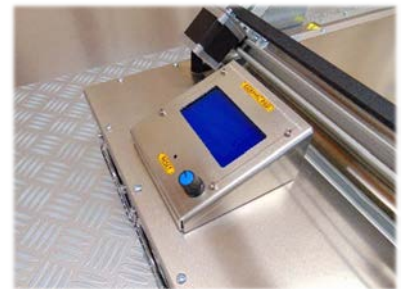


## *Silver Belt*

### The first and only one FDM-45 3D printer “All metal kit”

After several successful projects produced and sold in **kit** since the first years of our activity and using our long lasting experience in the 3D printer industry, we present **Silver Belt**, the unique **FDM-45 3D Printer** equipped of a **sliding print bed** and the **45° inclined extruder**, entirely achievable through an "all metal Kit".

The first one that does **not request any plastic printed parts!**

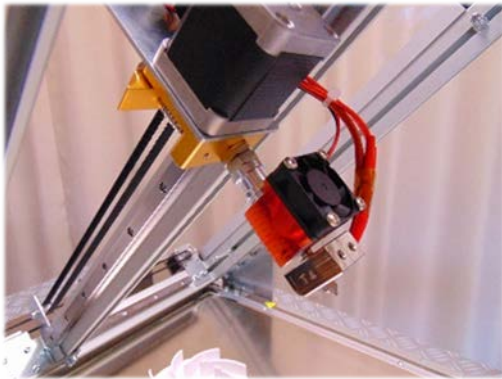


The **Silver Belt Kit** is the solution by **Robot Factory** for all **Do-It-Yourself-ers** who aspire to build a **3D printer** equipped with all the most innovative features for **continuous printing**. This technology, particularly suitable both to print **multiple parts in a series**, as well as to print **large objects** (theoretically unbounded in length) has been the subject of numerous projects developed, more or less successfully, by various Makers all over the world.

Developing the **Silver Belt** 3D printer, **Robot Factory** made this technology truly usable for all DIY-ers, because they offer a complete kit, comprehensive of all parts!

The **Silver Belt Kit** is available **with all its parts**, mechanical structure and electronic part (complete with **preassembled cables, extruder and motors**), or **only the mechanical structure**. Assembling the kit is very simple, it does not require any special equipment, especially for the electronic part that is all pre wired, it is not needs to use the welder or crimp the connectors.

Available inside the kit all the information including countless exploded drawings and detailed lists of the various components, which make the **Silver Belt** 3D printer assemblable in a few hours.



3D printer **Silver Belt** is a non-orthogonal coordinate system in which the construction plan does not coincide with the adhesion plan of printing object. The **X-Y plan is inclined on the Z axis**. So, it prints any layers to a fixed angle from the Z axis. This feature, along with **Z axis that is a moving belt**, it allows the build platform shifts itself continually with respect to the extruder. This one is inclined in turn (at a fixed angle) relative to the build platform. This system allows you to print '**in a continuous way**'.

## TECHNICAL SPECIFICATIONS

Technology	FDM-45
Machine size	770 mm x 480 mm x 700 mm
Build volume	X: 270 mm Y: 300 mm Z: endless
Layer thickness	0,15 – 1,0 mm and beyond
Nozzle	Supplied diameter 0,4 nozzle
Filament size	Wire with diameter 1,75 mm
Heating body	Quick change (Extruder Heat-Break - Heating Block - Nozzle)
Print bed	Heated up to 50 °C using PCB MK2B (for high temperature it must be replaced)
Extruder temperature	Max 240 °C with Extruder Heat-Break with PTFE thread guide (Heating body T4)
Filament type	PLA/Nylon/HIPS and other types
Weight	25 kg approx
Connect	USB - SD
Control device	Integrated graphic PAD
Power Supply	120v / 230v 50-60Hz – 750 W approx

## Other relevant details

- Stainless steel belt - where any support for better adhesion can be applied
- Electronic part integrated in the rear of the machine with optimized ventilation
- Easy assemblable (8 hours approx)
- Particularly accurate kit with all the components necessary for assembly
- High-thickness aluminum cylinders that rotate on ball bearings
- Prismatic guides with double-recirculating ball bearing
- Silver anodised aluminum profiles
- The non-aluminum parts are made using galvanized steel
- Convenient support for the filament spool integrated in the machine

*Silver Belt* by  
**Robotfactory**

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All Robot Factory production is **MADE IN ITALY**