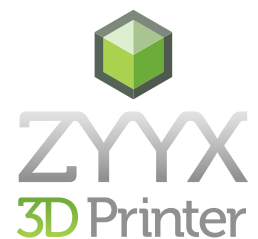# ZYYX pro for Engineering Materials

Cost-Effective System for
Additive Manufacturing of High-Strength Parts

ZYYX
3D Printer

ZYYX pro for Engineering Materials

Cost-Effective System for Additive Manufacturing of High-Strength Parts
– Safely at the Office Desk.

- The ZYYX pro is a Swedish Industrial Grade 3D printer developed to print with engineering materials.
- This allows professionals to rapidly produce customized, high-strength parts such as functional prototypes, tools, jigs and fixtures.
- Several innovative safety features and a competitive price point makes it readily available for every engineer and office desk.

OfficeSafe™ = Quiet and Safe

- Health and safety must be the highest of priorities at any workplace. The ZYYX pro is designed to allow the user to print safely at the office desk with any material.

Total Freedom in Choice of Material

- The ZYYX user can choose from a line of carefully selected high-quality polymer materials that comes with plug-and-play profiles:
- ZYYX proCarbon* (carbon fiber reinforced polyamide)
- ZYYX proGlass* (glass fiber reinforced polyamide)
- ZYYX proNylon (polyamide)
- ZYYX-ABS
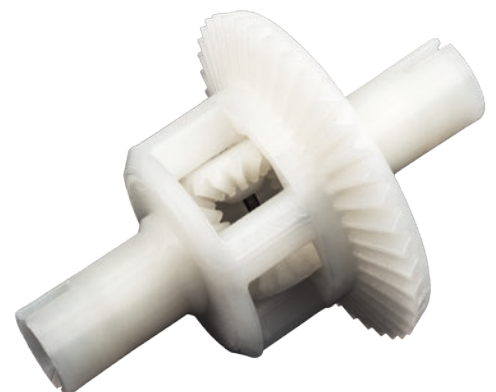- ZYYX-PLA
- ZYYX-FLEX
…and many third-party materials.

Plug-and-Play

- Professionals have little time to spend on tweaking and tinkering, so the ZYYX pro is developed to be plug-and-play.
- The ZYYX pro is delivered with Simplify3D software, a slicer developed for the professional user. Together with ZYYX's plug-and-play material profiles, this allows the user to concentrate on creating, rather than wasting time on detailed settings.

Uptime and Productivity

- Professionals live by productivity and consequently have very high uptime expectations. The ZYYX pro is therefore built upon ZYYX's proven platform with features such as Automatic Leveling and Material Monitoring.
- The SwiftTool™ enables the user to easily change the tool head, further improving uptime, productivity and versatility. Various sizes allow the user to optimize against resolution/speed, depending on their need.
- Equally important for the printing process is the condition of the printing material. That is why the ZYYX pro comes with the proTect™ material system that maximizes the quality and durability of the material during use and storage.

ZYYX proCarbon is a material with high stiffness and high tensile strength.

ZYYX proNylon is a material for use where low friction and flexible yet strong parts are needed.

* ZYYX proCarbon and ZYYX proGlass shall be used with a hardened SwiftTool™, ensuring that these abrasive materials do not wear down the printing nozzle.

ZYYX proGlass has a very high tensile strength-to-weight ratio, and is more electrically insulating compared to ZYYX proCarbon.

Technical Data - ZYYX pro

Build Volume	260x225x200 mm
OfficeSafe™ System	Closed containment, under-pressured with active carbon and HEPA filters that removes ultrafine particles and volatile organic compounds.
Data preparation	Simplify 3D (included)
SwiftTool™ - Tool heads for different print resolutions as well as for different materials	SwiftTool™ Carbon, 0.6 mm nozzle (hardened - abrasive resistant) SwiftTool™ Multi, 0.2 mm nozzle SwiftTool™ Multi, 0.4 mm nozzle SwiftTool™ Multi, 0.8 mm nozzle
Heated Chamber	The heated and enclosed build chamber provides a consistent printing environment tuned to the chosen material, securing layer adhesion and preventing warp.
Material Monitoring	The material monitor supervises the material supply and pauses the print if the material runs out.
Automatic Leveling	The printer measures the distance between the nozzle and the build plate – over the entire distribution of the build plate – before every print and compensates automatically for the positioning of the build-plate and any tilting.

Included with ZYYX pro 3D Printer	ZYYX pro with Pro Build-Plate (for Nylon based filaments) Simplify3D license Maintenance Kit Toolbox 1 kg of ZYYX proCarbon Filament One SwiftTool™ Carbon, 0.6 mm hardened nozzle proTect™ Filament Storage System
Included with Multi-Material Extension Kit	Three SwiftTool™ Multi tool heads (0.2 mm, 0.4 mm, 0.8 mm) 1 kg of ZYYX-PLA Filament 1 kg of ZYYX-ABS Filament 1 kg of ZYYX-FLEX Filament Multi-Material Build-Plate (for PLA, ABS, FLEX) ZYYX SoftSpring for flexible material proTect™ Storage System

www.zyyx3dprinter.com

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