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The new ZMorph VX Multitool 3D Printer

ZMorph VX is the most versatile and the most practical multitool 3D printer that you can put on a desk. With three different fabrication methods and dozens of available materials, ZMorph is designed to be your workhorse, versatile object making machine and a problem solver.

Foreword.

We've been making digital fabrication machines since 2013. Long enough to learn that quality, reliability and ease of use are the key for every creative business. That's why we bring the new ZMorph VX to the public - a workhorse, versatile object making machine, ready to prototype or mass produce as 3D printer, CNC cutter or laser engraver.

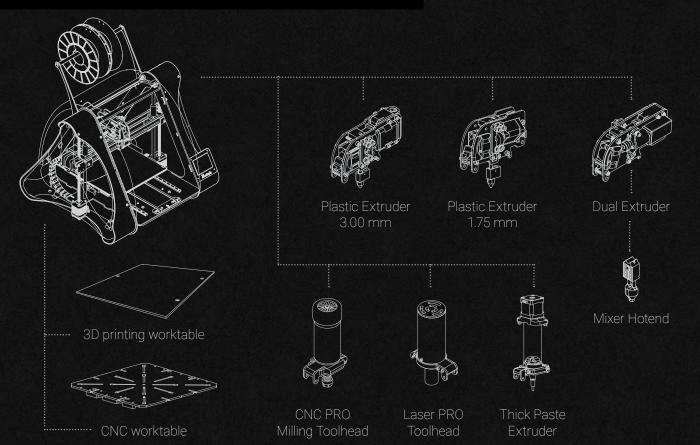
ZMorph is the state of the art engineering solution, addressing needs of designers, architects, electronics, makers, entrepreneurs and educators. Whether you want to make a fully functioning drone, a bluetooth speaker or a plastic enclosure for your project, ZMorph VX is a solution that is always up for the task. If you're just interested in simple 3D printing - ZMorph Printing Set is the best way to start your additive manufacturing adventure, with features like autocalibration or 3-click printing. We've made it as easy as possible, so your path from 3D model to tangible object is short and painless.

And when you're ready for an upgrade - go to our shop or visit one of our resellers and choose among several interchangeable toolheads to bring new capabilities to life in your desktop manufacturing center. Two-material printing, laser engraving, CNC, or thick paste extrusion? Browse this brochure and decide which way you want to go.



Przemek Jaworski ZMorph CEO and Founder

Interchangeable toolheads and worktables





MATERIALS FOR 3D PRINTING

- ABS and derivatives

- Nylon HIPS
- TPU

MATERIALS FOR THICK PASTE PRINTING

- Cookie dough

• Interchangeable nozzles (excluding

bromosilicate worktable.

Interchangeable hotends

3D PRINTING SPECIFICATION

TOOLHEADS



- Extruder 3.00



Two-material 3D printing that keeps you ahead of the game.

Selective two-material 3D Printing

When single colored prints are not enough, reach for our two-material toolhead

Color blending

TITLE

eye-catching gradients or even completely new colors.

CARD CONTRACTOR

all.



Image mapping

Enhance your models with complex multicolored patterns and rise above

2

Printing with soluble support

most complex, intricate models, even with moving parts

Easy to use, right out of the box.



Autocalibration

Proper printer setup is crucial for getting the most out of any 3D printer, and we think this process shold be automatic. That's why we've developed fully automatic calibration that remarkably improves user experience of working with a 3D printer.

Completely new Voxelizer software

You'll be amazed by Voxelizer's powerful possibilities and intuitive interface. We've improved speed, algorithms and usability, and we're serving it in a beautifully desinged interface.



LCD touchscreen

This fast and responsive touchpanel with a completely new interface makes using a 3D printer feel like using a tablet.



Easy workflow switching

Switching the toolheads is easy and requires no more than a minute. Switching the worktables is even faster.



Heavy duty.

Built like a tank

ZMorph VX is designed to withstand high toruge of CNC works and high speed of 3D printing. The machine's frame is composed of precisely cut, perfectly fitted aluminum and stainless steel, backed up by additional flat metal bars in construction nodes exposed to high tension. What's more, ZMorph VX has especially reinforced construction along the X axis and Y axis.

Enclosed build chamber

To ensure safety and cleanness during work, the build chamber is enclosed with see-through covers made out of PET. This solution also helps maintaining stable temperature during 3D printing. All electronics are protected by design from milling chips and other fabrication byproducts.

Only top quality components

From super flat borosilicate worktable, bestin-class linear bearings and linear guides, Omron endstops, to non-slip trapezoidal nuts on Z axis made out of high quality POM.

Double belt drive system

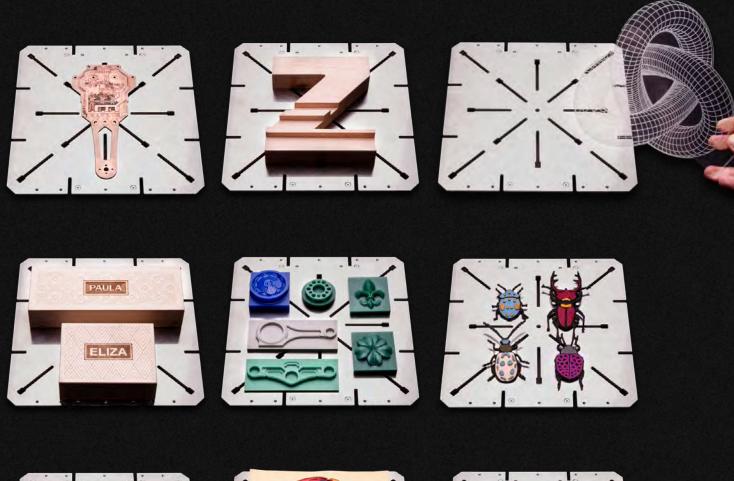
Most 3D printers rely on single belt drive system - ZMorph doubles that with 2 high quality fiberglass reinforced belts on the X and Y axes, tied with Gates Powergrip tensioning system. The result is stability and reliability above standards.

Modular two-material toolhead

Introducing Dual Extruder with interchangeable hotends. This unique hotend solution serves two purposes - first, it makes toolhead maintenance easier after many hours of heavy duty work. Second, it will allow you to equip Dual Extruder toolhead with other kinds of hotends, and get a completely new functionality for a fraction of the price.

And there's so much more...

ZMorph VX is an exceptional 3D printer - but that's not the end of the story. ZMorph VX can transform into a CNC router, laser engraver, back to 3D printer and so on. Owning a ZMorph is like owning your own mini-factory.









Access materials inaccessible to single-purpose 3D printers.

TOOLHEAD: CNC PRO



MATERIALS FOR CNC CUTTING AND ENGRAVING

- All kinds of wood
- HDPE
- Polycarbonate
- Acrylic glass
- Machining was
- Modeling board
- Copper laminates (for PCBs)
- PUIVI • PVC foam
- Dibond-like composites

CNC AND LASER TECH SPECS

- Working area: 250 x 235 x 85 mm.
- Mechanical positioning precision: 14 microns for X and Y axes, 0.6 microns for Z axis.
- ER-11 collet
- Default work speed: 5 mm/s
- Max work speed: 120 mr
- Double belt drive
- Enclosed build chamber and electronics

TOOLHEAD: LASER PRO

MATERIALS FOR LASER ENGRAVING

- All kinds of wood
- Leather
- Copper laminates (for PCBs)

MATERIALS FOR LASER CUTTING

- Paper
- Cardboa
- Felt
- Thin gasket materials

- CNC AND LASER TECH SPECS
- Working area: 250 x 235 x 85
- Mechanical positioning precision: 14 microns for X and
- Y axes, 0.6 microns for Z axis. • Default work speed:
- Max work speed: 120 mm/

A 3D Printer Beyond 3D Printing.

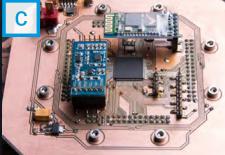
No.

Subtractive or additive manufacturing? With ZMorph VX you can have both. Enjoy your freedom of choice: 3D printing, CNC milling, laser engraving, or even a combination of all.









3D printed

CNC milled

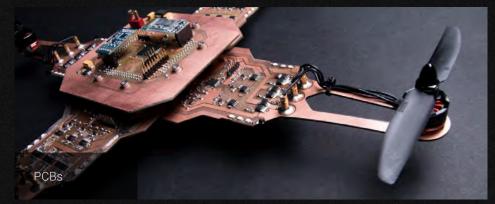
Laser engraved

Versatility is a smart investment.









ith a ZMorph on your desk, you're prepared for any project. You're prepared to amaze, inspire, prototype, iterate, teach or even run your own business. Whether you're looking for a digital fabrication workhorse or an education aid, versatility is a smart investment.

Tools, jigs and fixtures	Historical reconstruction
Signage and customization	Art and decor
Architectural models	Molds, castings
	Medical
Lessons	visualization aids
Research	Cosplay

Get inspired with amazing examples from the new ZMorph Catalog.

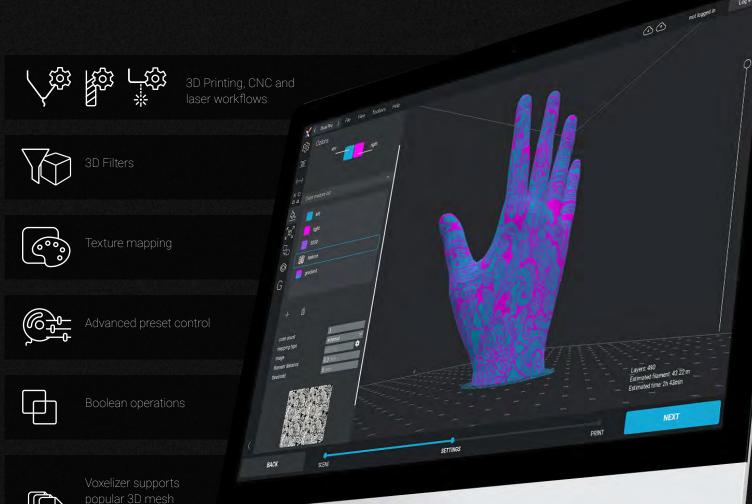


zmorph3d.com/catalog



The all-in-one software. Meet the new Voxelizer.

ZMorph's orignal Voxelizer software is the intelligence behind the machine. It allows you to control all fabrications methods of the ZMorph VX and gives you access to the most advanced 3D printing capabilities. Optimize your models with 3D filters. Make unprintable things printable with smart support structures. Create stunning prints with advanced multi-material algorithms, like image mapping. All thanks to voxelization process - that extra mile our software goes to give you and your ZMorph outstanding possibilities.





Voxelizer supports popular 3D mesh files, image files, vector data and DICOM medical files.



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