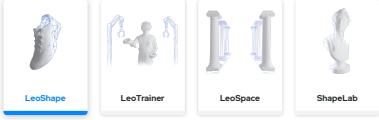
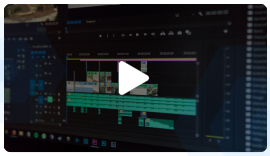
Industry-leading 3D and VR solutions



A revolutionary engine enabling businesses to meet the changing demands of additive manufacturing by designing, optimizing and managing 3D files and tailored virtual product designs.



About LeoShape

LeoShape, our 3D/VR digital product design solution, is the mothership of Leopoly products. This tool enables users to build virtually any idea with our 3D model visualization technologies. Users can automate design and 3D file optimization with ease, whether they are corporate professionals or 3D hobbyists. This game-changing software is powered by LeoEngine, a modular software engine that simplifies your process by making it quick to launch and easy to customize and maintain. Our services boast several functions, including:

Automatic and parametric generation of customized designs

LeoShape renders customized products based on a huge variety of inputs. It can also generate cell structures automatically or manually based on various inputs for light-weighting the product, or changing flexibility, and automatically create watermarking and 3D texturing.

Freehand design

LeoShape is a perfect tool for organic sculpting, object mixing, boolean operations, and morphing or bending shapes. Our advanced technology also makes detail work easy, including 3D texturing, cutting, hollowing, and perforating, and engraving or stamping text and logos onto your design.

3D/VR/AR Visualization

LeoShape allows you to explore 3D models and animations with pressure paint visualization. Users can cycle through multiple representations of models to simulate mechanisms so you can completely evaluate your designs virtually.

3D Model Analysis and Detection

LeoShape can conduct model orientation based on geometric criteria to ensure accurate imaging the first time. It also provides data validation using polygon count or dimensions, and conducts area recognition. Users can find what they need with ease, because LeoShape lets you quickly search and locate matching 3D models.

There are few tools on the market that perform these functions, and most of them are massive solutions where development and customization can be slow and challenging.

Our agile solution puts us a step ahead: we provide tools tailored to your exact needs, with much greater flexibility, affordability, and speed than legacy solutions, and it is incredibly easy to integrate into your own business and production processes.

Save time and money, speed up the order process, create stunning designs, and minimize effort.

LeoShape is best for

3D Printing

LeoShape is the perfect tool for all of your 3D printing and modeling needs. Achieve a high-level of detail, seamless integration and intuitive visualization tools to ensure that your designs are exactly what you need.

Healthcare & Athletics

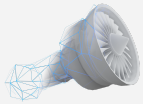
Create unique products for healthcare and athletic functions. LeoShape is the best tool for designing custom prosthetics, orthopedics, insoles, and sports equipment, and our software's agility allows you to ensure that everything is exactly what you need in an industry that demands perfection.

Automotive

Design any automotive part you need to ensure that they match your exact parameters. Car parts and automotive innovation are difficult to perfect, but LeoShape allows you to get down to minute details and eliminate and errors in the design process.

Designers & Engineers

LeoShape is built for creators. Any 3D or VR/AR design you want to build can be built in LeoShape, at any level of expertise. Whether you want to create digital art or mechanical hardware, you can do so with ease with this powerful software.

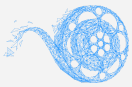


Powered by LeoEngine

LeoEngine is where the true innovation lies, and it makes our revolutionary tools possible. This sophisticated engine is the backbone of our products, and we are constantly working to enhance and perfect its capabilities. Want to license LeoEngine for your projects?

3D pixels and mesh base

Unlike most solutions, our core engine works with voxel and vertex based 3D modelling. Our expertise in each of these 3D model representation allows us to continuously tackle problems quickly and to supply the highest resolution with the widest compatibility.



Popular 3D file formats

Our custom-built 3D solutions are available in all the most common 3D file formats, including OBJ and STL, extensions, that are widely used in 3D printing, video games, engineering and architecture.

Featured Projects

ShapeLab
3D DESIGN
Build your own models and bring your ideas to life through digital sculpting and painting, using the easiest mesh-based sculpting technology available today.

HP Sprout
3D DESIGN
Leopoly's 3D asset creation software is bringing all sorts of objects into the creative space.

Leopoly Makers
3D DESIGN
Built for building designers and learners, Leopoly Makers was made for the next generation of innovators to spread their creative wings and get comfortable with 3D design tools.

Read more

Supported devices

VIVE oculus VALVE INDEX Windows Mixed Reality

Stay updated on Leopoly products, news and events.

Enter you email Subscribe

leopoly

Leopoly Kft.
Szervezet utca 20
1021 Budapest
Hungary

Bluetree street 275
Sydney, NSW 2000
Australia

Copyright 2020 - All rights reserved