Touch™ 3D stylus

Feature | Function | Benefit

Touch 3D stylus
Hands-on digital

Touch 3D stylus is the only way to feel digital content and reach beyond the screen into virtual space. With instant force feedback that mimics the physical experience of texture, shape and strength, Touch makes it easier than ever to design for 3D printing. With the available SDK, Touch makes tactile experiences accessible to the masses with applications such as gaming, medicine, design, and more.

HIGHLIGHTS

EASY TO USE

Everyone knows how to use their hands but not everyone knows how to use CAD software. Touch is a haptic 3D stylus that puts digital content in your hand, allowing you to actually feel models on the screen.

SOFTWARE DEVELOPMENT KIT

Touch connects the digital and physical worlds like never before, giving you immediate access to your complex designs and a comprehensive understanding of 3D digital space. With the available software development kit (SDK) you can harness the power of the Touch to create spatially aware apps with infinite possibilities.

3D TOOLS FOR 3D PRINTING

Touch lets you fully manipulate your design by providing access to all three dimensions, making it easy for students, designers, and artists alike to create 3D-printable files with virtual clay.

CUBIFY SCULPT FEATURES

With organic modeling tools right at your fingertips, Cubify Sculpt equips you with virtual clay to take the intimidation out of making something from nothing.

• Design from scratch starting with a box, sphere or cylinder of virtual clay.
• Import: STL, OBJ, PLY, CLY, Export: STL, OBJ, PLY, CLY, ZPC
• Cubify Sculpt saves as a 3D print-ready file.
• Use push and pull tools to sculpt your digital clay. Adjust the strength and size of the sculpting tool for exact cavities and extrusions.
• Design with symmetry when modeling a face or figurine.
• Deform and reform your model by squishing and pulling whole objects.
• Emboss with patterns and textures. Choose from Cubify
• Sculpt's library or import your own displacement map.
• Add color with the paintbrush feature. Get your full-color design Cloudprinted with Colorstone material.

Touch™ 3D stylus — Feature | Function | Benefit

FEATURE	FUNCTION	BENEFIT
Force feedback haptic technology	Allows users to "feel" the object they are working on.	By being able to "feel" the shape of the object they are editing, it allows for the user to interact with a digital object in a less abstract way.
Comes with Cubfiy Sculpt	Scult makes both basic and advance editing tools available for the user. Digital sculpting based on poweful Voxel CAD design technology.	By offering tools such as precise positioning input and instant force feedback, Sculpt is able to mimic the feeling of physically sculpting something. Everything designed in Cubify Sculpt is "3D printable" - i.e. watertight.
3 Degrees of Freedom.	Makes it possible to manipulate your design in three dimensions.	By being able to work with the design in 3 dimensions it allows the user to be able to customize and edit their model from every possible angle.
Software compatible	Prevents the device from being limited to a design tool.	Tacticle design isn't the only way to utilize the touch. Force feedback technology can be used in many different fields including gaming, design, and many more.

TECHNICAL SPECIFICATIONS

• 3-degree-of-freedom force feedback X, Y & Z
• 6-degree-of-freedom positional sensing 6° of freedom X, Y & Z (digital encoders) roll, pitch & yaw (± 5% linearity potentiometers)
• Instructional LEDs in base and Gimbal
• Two integrated stylus buttons

• Stylus-docking inkwell
• CE certified
• USB 2.0 full-speed interface Power: 100/240V 50/60 Hz 1 Amps (output DC 18V 2.2 A so 38 Watts max)
• Operating system: Windows 7, Windows 8 (32 and 64 bit), Linux (future), Mac OS (future)

• Compact force feedback workspace: (WxHxD) 10.45 x 9.5 x 3.5"
• Height (arm at rest): 7"
• Base diameter (round base): 5.5"
• Nominal position resolution: 0.084mm
• Max force (neutral position; when 4-bar links are orthogonal): 3.4N