

The System

The creation of a 3D portrait in crystal is simple and straightforward. The system you purchase from VyteK includes everything you will need to get started with 2D and 3D engraving. The Crystal Cube™ is a flexible, portable engraving system consisting of an XYZ moving table, and a high resolution galvo-based scanning system using an air-cooled DPSS green laser.



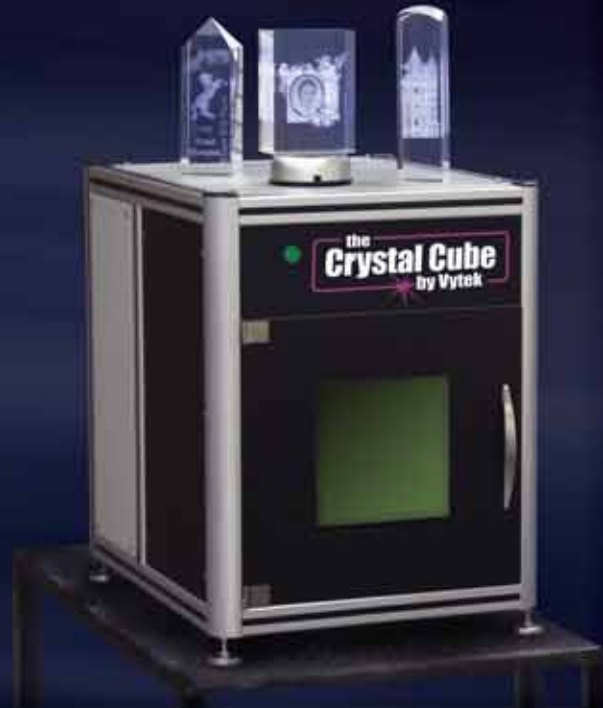
The Camera

The VyteK 3D camera is a state-of-the-art 3D capture system. It is lightweight, and includes its own automatic flash and camera stand. The camera can be used as a standalone capture device and can store as many as 200 images before requiring download. This allows users to have cameras in multiple locations without the additional expense of a complete laser system.



The Software

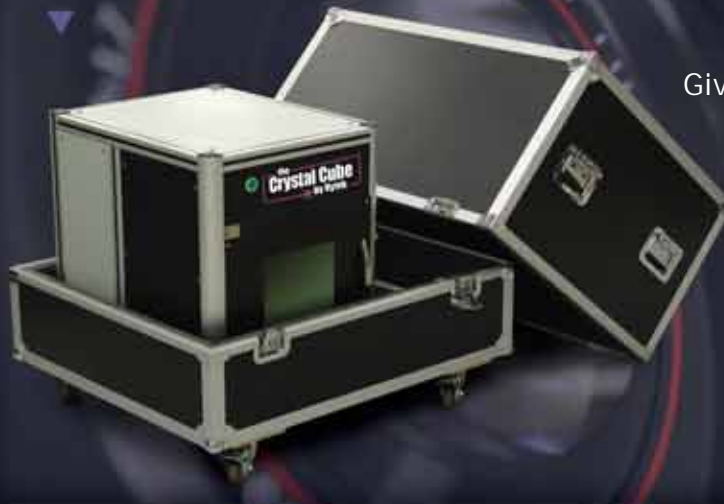
The Crystal Cube™ system integrates both Crystal Capture™ and Crystal Creator™, simple yet powerful tools for creating 2D and 3D images. Crystal Capture™ allows easy manipulation and editing of images directly from the 3D camera. Crystal Creator™ allows you to position and rotate the image, add text, and step and repeat for multiple crystal projects. Crystal Cube™ offers everything you need from one company.



CRYSTAL CUBE™ SYSTEM SPECIFICATIONS

Model	Crystal Cube 200	Crystal Cube 300
Engraving type	Single galvo, moving table	
Laser medium	ND:YV04 crystal, Diode pumped 532 nm	
Pulse frequency	1 kHz	2 kHz
Electrical connection	110 V or 220V +/-10%	
Power consumption max.	800W	1000W
Connecting cables	2 meter electric cables and 3 meter I/O cable	
Minimal diameter of a point	40 µm	
Max diameter of a point	200 µm	
Max engraving range	7.75" x 7.75" x 4"	12" x 15" x 4"
Max engraving rate	1000 points/s	2000 points/s
Positioning accuracy	10 µm	
Heat exchanger	Air-cooled	
Dimensions (L x W x H)	24" x 19" x 24"	26.5" x 22" x 26.5"
Weight (Approx.)	80 kg/175 lbs	90 kg/200 lbs
Room temperature	15-35 degrees C	
Room humidity	<60%	

The Crystal Cube™ is an extremely flexible and portable system.



Give us a call at 978-342-9800 to learn more about sub-surface Crystal Engraving.



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"Think Inside the Box"



Introducing
the **Ultimate** Crystal Engraving System



Timeless Beauty, Enduring Elegance

The elegance of crystal has stood the test of time. Now, with the addition of images engraved on the inside, crystal becomes both unique and enduring. A business creating timeless crystal keepsakes and personalized gifts can be both enjoyable and highly profitable.



How Does it Work?

Crystal engraving, or sub-surface engraving (SSLE), is a patented technique using a laser to create 2D and 3D images inside a transparent object. The process involves focusing a high intensity laser beam inside a clear object to create a small localized point. When these points are arranged closely together they produce a beautiful 2D or 3D image.

The Most Advanced Laser Techniques

The Vytek Crystal Cube™ utilizes the most advanced laser and software techniques that make 2D and 3D crystal creations a simple process. The system includes everything to begin a personalized crystal gift and awards business. The most important choice you make is the company from which you buy. One system. One company. Vytek is a leader in the laser engraving business, and has spent years developing an all-inclusive package to ensure our customers' success.



The Crystal Cube™ produces the best sub-surface 3D images anywhere!



The only fully licensed sub-surface crystal 3D engraving system in North America



The Crystal Cube™ also includes the 3D camera and custom software

Engrave one or many

Flexibility is key to success. While the Crystal Cube™ is compact and portable, it has a work area of 7 1/2" x 7 1/2" x 4" allowing either large crystals or a gang of smaller crystals to be processed at once. This design affords you the maximum market potential, providing access to the more profitable market for larger gifts and awards.

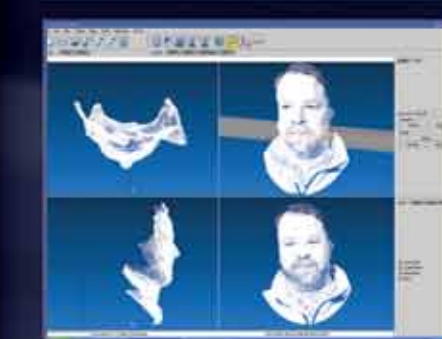


3 CAPTURE PROCESS ENGRAVE

EASY STEPS

1 Photograph your subject
Your 3D portrait customer sits for a 2-second 3D photo.

2 Use Crystal Capture™ software



3 Use Crystal Creator™ software
Finally, process your design using Crystal Creator™ to position and rotate the image and add text.

Process your images using Vytek's Crystal Capture™. Trim your model, select your crystal size, and go!

