

# 3D Laser Engraving

## The Award-Winning Coherent APP Suite Software

The new APP Suite is a sophisticated software package for 3D laser engraving developed by Coherent, which benefits from Coherent's many years of laser expertise and broad applications experience. Thanks to intuitive operation via a graphical 3D interface, even complex engraving tasks can be quickly implemented and completed. After loading the graphic files, the APP Suite software guides you step-by-step to the finished workpiece with continuous process control.

### Latest 3D Algorithms to Support Your Production Process

The APP Suite from Coherent is a unique new CAD/CAM environment for planning nearly all facets of laser processing. While other CAD/CAM software solutions typically stop at creating the G-Code, the APP Suite supports a flexible machine driver architecture allowing the user to connect, and execute this job at the push of a button.

This high-end software solution has its roots in a range of highly sophisticated laser applications e.g. 3D printing and is now adapted to the EasyMark/EasyJewel series of marking machines to provide a simple solution for your daily engraving work.

### FEATURES & BENEFITS

#### Image Engraving

- Colors and Gray Scale converted automatically in depth information and related hatching

#### Texture Sketch

- Enables distortion free engraving on complex 3D surfaces

#### Sub Micron Solid Slicing Engine

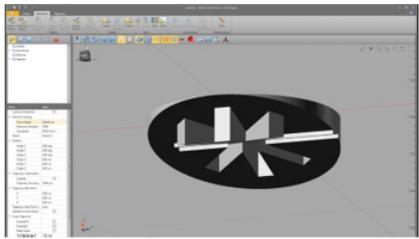
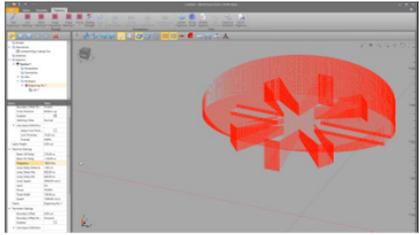
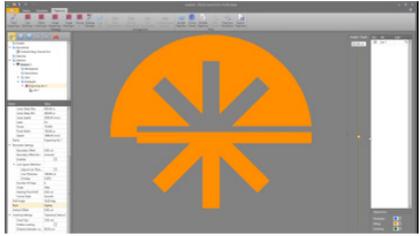
- Powerful solid slicing engine allows layer height as small as 0.15 microns

### AWARD FOR "100% INNOVATION"

The APP Suite was chosen to receive the "Innovation Award IT" from Germany's "Initiative Mittelstand"



The APP Suite includes all process-relevant aspects such as graphic visualization, engraving strategy, laser and machine parameters. Plus, the APP Suite includes all the drivers and I/O information to directly control the EasyMark and EasyJewel machines. This makes the entire engraving process very easy to optimize, for the expert or novice, as each parameter can be individually controlled if required.

<b>APP SUITE PROCESS</b>	
<p><b>1: Import and Visualize 3D Object</b></p>	
<p><b>2: Develop Engraving Strategy</b> Guides the user through the engraving strategy and machine parameters and visualizes the results</p>	
<p><b>3: Execute 3D Engraving</b></p>	
<p><b>4: Engraving Results</b></p> 	



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Coherent follows a policy of continuous product improvement. Specifications are subject to change without notice. Coherent's scientific and industrial lasers are certified to comply with the Federal Regulations (21 CFR Subchapter J) as administered by the Center for Devices and Radiological Health on all systems ordered for shipment after August 2, 1976.

Coherent offers a limited warranty for all 3D Engraving Lasers. For full details of this warranty coverage, please refer to the Service section at [www.coherent.com](http://www.coherent.com) or contact your local Sales or Service Representative.  
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