

ScanMaster Designer

Product Highlights

The industry's highest system throughput, resolution, and accuracy are now possible by integrating our ScanMaster Controller (SMC) and ScanMaster Designer (SMD) software with our Lightning™ scan heads. Our SMD software features a powerful package of graphic design tools and supports all standard file formats. Our intuitive user interface enables productivity and flexibility for every job.

Intuitive and versatile user interface allows faster and easier job creation

KEY BENEFITS

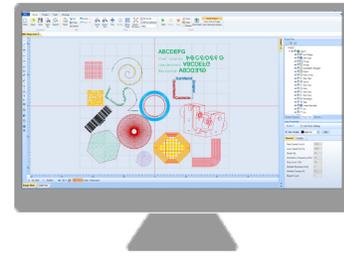
- **Full featured software for 2-axis and 3-axis scan heads** with no dongles or locks
- **Single software solution** for multiple applications with built-in advanced application-specific features
- **Adaptable automation interface** with built-in ScanScript – advanced scripting language
- **High fidelity 3D marking** delivered with an integrated 3D model design capabilities and file importing
- **Greater throughput with higher accuracy** enabled by an intelligent ScanPack trajectory planning¹
- **Simplified job creation** using ScanPack, eliminating the need for delay parameters¹
- **High degree of stitching accuracy** with multi-head synchronization

Reference:
1. When using fully digital Lightning™ II scan heads only

ScanMaster Designer

Advanced Shape Design

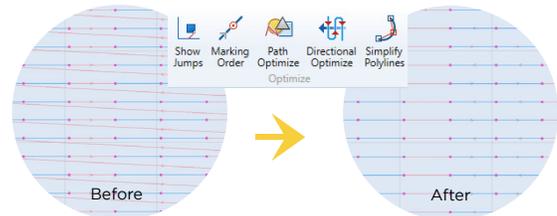
Incorporates a large number of tools to create and modify any shapes easily. For complex patterns or objects, it carries an extended AutoCAD-like interface for effortless modification. This includes basic shapes like line, circle and rectangle, as well as intricate shapes such as drill, wobble, text on any shape, bezier path, and spiral.



Shape tool- showing all shapes and different pattern selection

Scanner Path Optimization

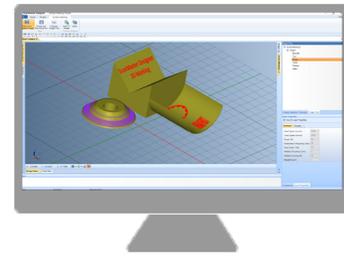
Built-in scanning path optimization tools to increase job throughput with minimal effort. With a single mouse-click, the software optimizes the job path for the selected objects.



Directional Optimization tool

3D Job Creation

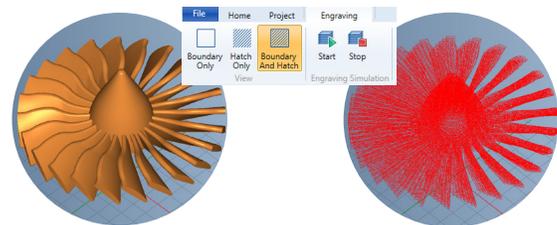
Best in class software enables productivity and flexibility for 3D marking, additive manufacturing, and welding applications. It supports various CAD file formats along with 3D object creation using standard shapes. This allows users to follow a tool path, 3D mark or slice the 3D object into various layers quickly and easily.



3D marking

Application-Specific Features

ScanMaster Designer offers unique application specific features. These features include 3D layering, advanced laser control, motion control integration, tiling, and many more



3D slicing (for Laser Additive Manufacturing)

About Cambridge Technology

With close to 50 years of expertise, Cambridge Technology designs, develops, and manufactures innovative beam steering solutions including polygon- and galvanometer-based optical scanning components, 2-axis and 3-axis scan heads, scanning sub-systems, high power scanning heads, and controlling hardware and software. We excel in collaborating with our key OEM partners to engineer products that meet their needs from the largest engineering solution to the smallest component. Key market applications include advanced industrial processes like additive manufacturing, laser converting, laser marking, and via-hole drilling, and medical applications such as laser treatment and optical coherence tomography. Cambridge Technology is a Novanta company.

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