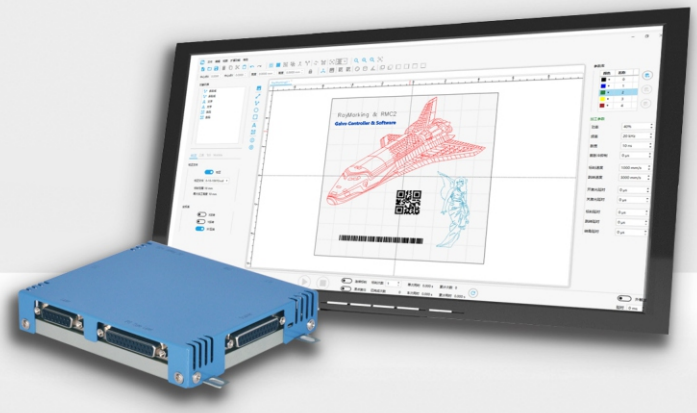
RAY-MOTION
dedicated to motion
www.ray-motion.com

RayMaster & RMC2

Galvo Controller & Software



Galvo Controller & Software

Support the control of multiple lasers;
Connect with PC via USB2.0;
Integrate a variety of additional functions;
Simple interface and clear functions;
Support laser test and indicator light adjustment function;
Support external trigger signal to control marking start and stop;
Set the parameter library, which can be stored and applied to different object primitives;
It has the function of multi-graphic element processing path optimization;
Support two-dimensional .DXF/.DWG/.PLT/.CGM vector file import;
Support the import of 3D .DXF vector files;
The dynamic axis compensation file of the RAY-MOTION front focus system is provided, and the dynamic focus correction can be completed by importing it.

振镜控制系统

支持多种激光器的控制；

通过USB2.0与PC连接；

集成多种附加功能；

界面简洁、功能清晰；

支持激光测试和指示光调整功能；

支持外部触发信号控制打标启停；

设置参数库，可存储并应用于不同对象图元；

具有多图元加工路径优化功能；

支持二维的.DXF/.DWG/.PLT/.CGM矢量文件导入；

支持三维的.DXF矢量文件导入；

提供RAY-MOTION前聚焦系统的动态轴补偿文件，导入即可完成动态聚焦的校正。

鞍山精准光学扫描技术有限公司
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特色功能Characteristic function

1. 飞行模式：可对飞行打标进行各项参数设定与输出；

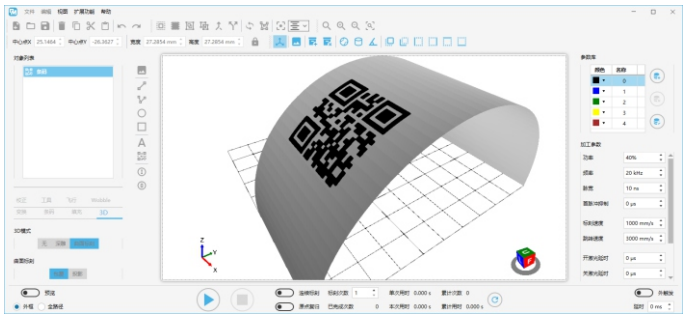
   Flight mode: various parameters can be set and output for flight marking;

2. Wobble模式：四种抖动模式可选，一般适用于焊接领域；

   Wobble mode: four jitter modes are optional, generally suitable for welding field;

3. 3D模式：适用于完成深雕或曲面标刻，曲面雕刻配合3D视图功能使用。

   3D mode: It is suitable for deep engraving or surface marking, and surface engraving can be used with 3D view function.



4. 多图档IO选图：通过获取端口高低电平信号实现图档选择并加工

   Multi-image file IO image selection: realize image file selection and processing by obtaining high and low level signals of ports.

5. X、Y、Z、θ四轴控制：软件内嵌入轴控功能，实现四轴八方向的运动控制

   X, Y, Z, θ four-axis control: the axis control function is embedded in the software to realize four-axis and eight-direction motion control



CorrectionWizard 校正软件

CorrectionWizard Calibration software

动态轴的补偿文件将按照需求配置，在软件中导入即可完成动态轴的校正。之后仅需完成二维振镜的校正并保存。

The compensation file of the dynamic axis will be configured according to the requirements, and the correction of the dynamic axis can be completed by importing it in the software.After that, only the correction of the 2D galvo needs to be completed.

模态向导帮助用户创建校正文件，用于校准扫描系统。

校正完成后可从 RayMarking 软件的校正列表中选择校正文件。

The Modal Wizard assists the user in creating calibration files. The calibration file can be selected from the calibration list in the RayMarking software.



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2D/3D galvo scanner

RayMarking software can be used in conjunction with RAY-MOTION's galvo.For a better user experience, you can select the device model as needed, or contact RAY-MOTION directly.

Hardware requirements

Windows 7/8/8.1/10 (32+64 bit) .
Microsoft .Net Framework 4.6 needs to be installed.
Min-configuration: CPU 2GHz, RAM 2Gb, disk space 200Mb.
The language selection is currently Chinese/English,
which is consistent with the operating system language setting.

Service

Provide Chinese/English bilingual instructions and update regularly;
Provide dongle upgrade service to quickly respond to customer needs.

二维/三维光学扫描振镜

RayMarking软件可与RAY-MOTION的全系列振镜结合使用，为获得更完善的用户体验可按需选择设备型号，或直接联系RAY-MOTION公司。

硬件要求

在Windows 7/8/8.1/10（32+64位）操作系统环境下运行；
需安装Microsoft .Net Framework 4.6；
最低配置：CPU主频2GHz、内存2Gb、硬盘空间200Mb；
语言选择目前为中/英，与操作系统语言设置保持一致。

服务与支持

提供中/英双语Raymarking软件、CorrectionWizard软件和RMC2板卡使用说明作为辅助，并定期更新；提供加密狗更新升级服务快速响应客户需求。

Product	Description
Basic	2D marking(including welding)
Add functions 1	Large table license
Add functions 2	Curved surface
Add functions 3	MOTF
Add functions 4	Motion control

Figure:selection table

产品列表	说明备注
基础版	2D打标（包含焊接功能）
附加功能1	大幅面
附加功能2	立体曲面
附加功能3	飞行功能
附加功能4	轴控功能

图：产品及功能选配表

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