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Genmitsu 555082075

Genmitsu Laser Rotary V2 Instruction Manual

Model: 555082075

1. INTRODUCTION

The Genmitsu Laser Rotary V2 is an advanced accessory designed to expand the capabilities of your laser engraver or cutter. This module enables precise engraving on cylindrical objects, such as tumblers, wine glasses, pens, and more, by providing controlled rotation during the engraving process.

Key features include tool-free roller distance adjustment for easy setup, high-quality machined rollers with polyurethane coating for improved grip and accuracy, and broad compatibility with various laser engraver models.



Figure 1: The Genmitsu Laser Rotary V2 shown with various cylindrical items it can engrave, including a tumbler, can, wine glass, and mug.

2. SAFETY INFORMATION

Always prioritize safety when operating laser equipment and accessories. This rotary module works in conjunction with a laser engraver, which emits concentrated laser radiation that can cause serious injury or damage if not handled properly.

- **Eye Protection:** Always wear appropriate laser safety glasses that are rated for the wavelength of your laser during operation.
- **Ventilation:** Ensure adequate ventilation in your workspace to dissipate fumes and smoke produced during engraving.
- **Flammable Materials:** Keep flammable materials away from the laser's path.
- **Supervision:** Never leave the laser engraver and rotary module unattended during operation.
- **Power Off:** Disconnect power to both the laser engraver and the rotary module before performing any maintenance or adjustments.
- Refer to your primary laser engraver's user manual for comprehensive safety guidelines specific to your

machine.

3. PACKAGE CONTENTS

Verify that all components are present in your package:

- Genmitsu Laser Rotary V2 Module
- PH2.0-6P (6 PIN) to XH2.54-4P (4 PIN) Connection Wire
- Y-brace Roller (for supporting stemmed objects like wine glasses)
- User Manual



Figure 2: The Genmitsu Laser Rotary V2 as it appears in its protective packaging, ready for unboxing.

4. SETUP

The Genmitsu Rotary Roller V2 is designed for easy, tool-free setup.

4.1 Physical Installation

1. Place the rotary module on a stable, flat surface beneath your laser engraver's working area.
2. Adjust the roller distance to accommodate the diameter of the object you intend to engrave. This can be done without tools by sliding the adjustable end of the rotary. The adjustable range is from 19mm to 76mm, with 16 distinct positions.
3. For stemmed objects like wine glasses, attach the Y-brace roller to provide additional support and stability.



Figure 3: A diagram illustrating the supported cylinder length (10mm-195mm) and diameter (5mm-160mm), along with the adjustable roller distances (19mm-76mm) of the rotary module.

4.2 Electrical Connection

Connect the rotary module to your laser engraver using the provided wire. The rotary module features a PH2.0-6P (6 PIN) port, which connects to the XH2.54-4P (4 PIN) port on your laser engraver. Ensure the correct cable is used for your specific machine model.

The Genmitsu Rotary Roller V2 is compatible with most laser engravers and laser cutters on the market, including Genmitsu 3018-Pro, 3018-Prover, 3020-Pro Max, 4040-PRO, 4040 Reno, Jinsoku LC-50 PLUS, LC-60A, LE-1620, and LE-5040 Laser Engravers. For non-Genmitsu machines, verify the port on your machine first. If you are unsure, contact Genmitsu support.

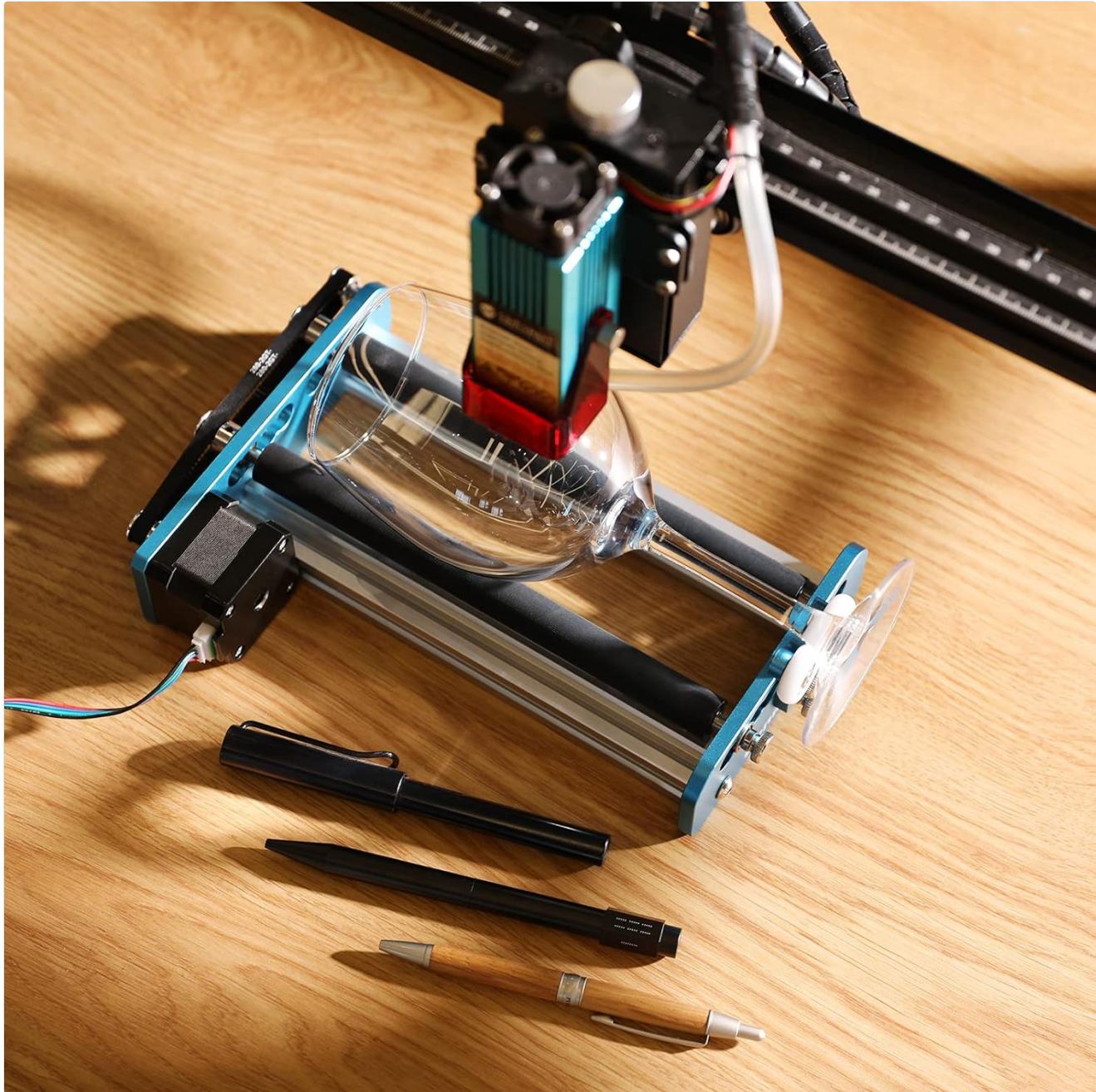


Figure 4: The Genmitsu Laser Rotary V2 displayed alongside several compatible Genmitsu laser engraver models, highlighting its broad machine compatibility.

4.3 Software Configuration

After physical connection, you will need to configure your laser engraving software (e.g., LaserGRBL, LightBurn) to recognize and control the rotary axis. This typically involves enabling the rotary axis function and setting the correct steps per millimeter for rotation. Consult your software's documentation for detailed instructions on rotary axis setup.

5. OPERATING INSTRUCTIONS

5.1 Material Placement

Carefully place the cylindrical object onto the rollers. Ensure it sits securely and is centered. The polyurethane coating on the rollers provides an improved grip, minimizing slipping during engraving. The rotary supports material diameters from 5mm to 160mm and lengths from 10mm to 195mm.



Figure 5: A close-up view of the stainless steel rollers with their polyurethane finish, designed for enhanced grip and consistent rotation.

5.2 Engraving Process

1. Once the object is securely placed and the software is configured, load your engraving design.
2. Perform a test run or frame the engraving area to ensure correct positioning and alignment.
3. Initiate the engraving process from your laser software. The rotary module will precisely rotate the object as the laser engraves, creating a seamless design around the cylindrical surface.



Figure 6: The Genmitsu Laser Rotary V2 in operation, precisely rotating a wine glass as a laser engraver applies a design.

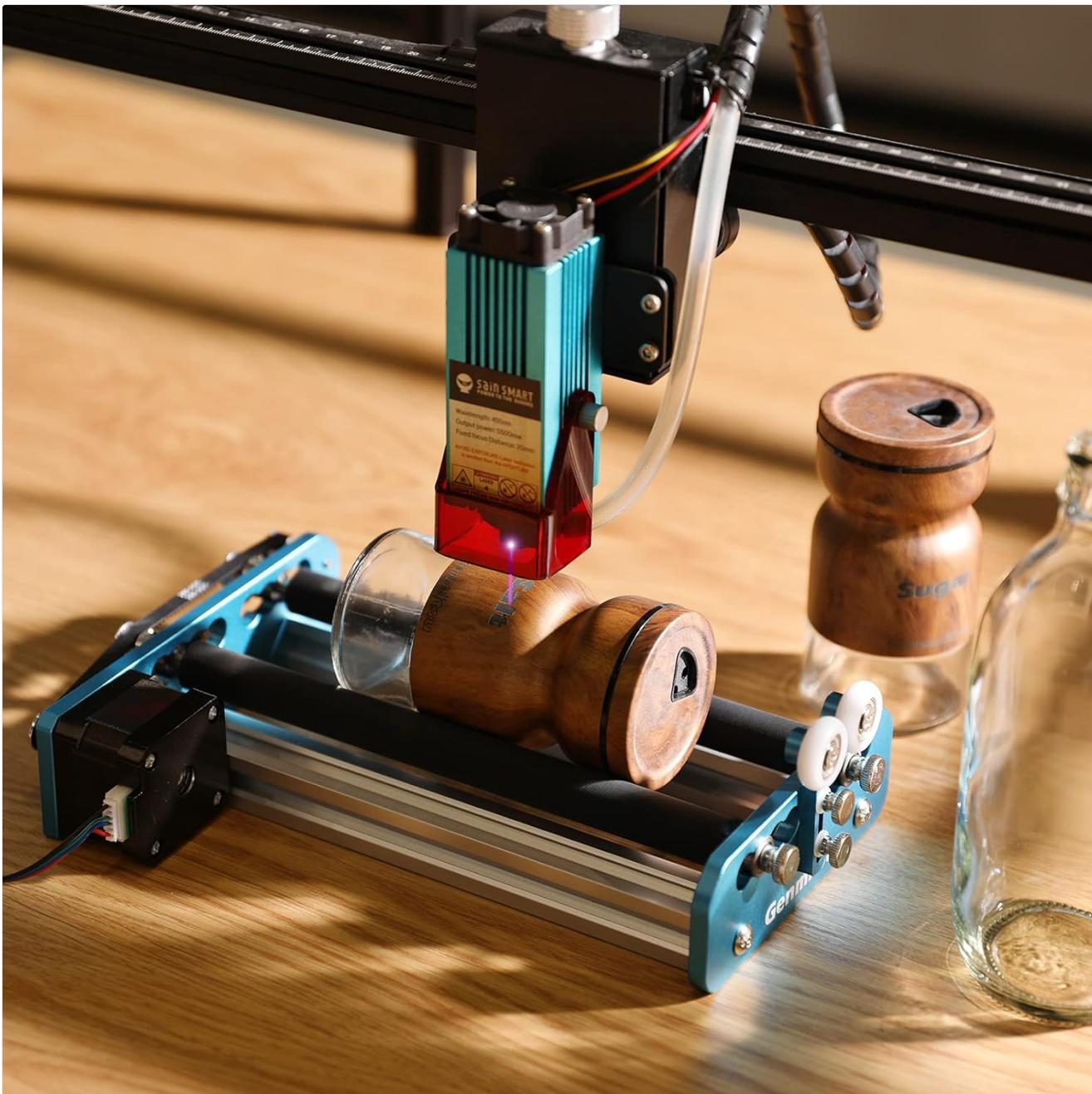


Figure 7: The Genmitsu Laser Rotary V2 actively engraving a wooden cylindrical object, demonstrating its versatility for various materials.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Genmitsu Laser Rotary V2.

- **Cleaning:** Periodically clean the rollers and the module's frame to remove dust, debris, and engraving residue. Use a soft, dry cloth. Avoid abrasive cleaners that could damage the polyurethane coating.
- **Inspection:** Inspect the rollers and belts for any signs of wear or damage. Ensure the rollers spin freely and the belt tension is appropriate.
- **Storage:** When not in use, store the rotary module in a clean, dry environment to prevent dust accumulation and potential damage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Rotary not moving or making strange noises	Incorrect connection cable; Loose cable connection; Incorrect software settings (e.g., steps per mm)	Ensure you are using the correct PH2.0-6P to XH2.54-4P wire for your laser engraver. Check that all cable connections are secure. Verify rotary axis settings in your engraving software (e.g., LightBurn, LaserGRBL).
Engraving is distorted or misaligned	Object slipping on rollers; Incorrect roller distance; Software calibration issues	Ensure the object is securely placed and the roller distance is adjusted appropriately for its diameter. Clean rollers if they appear dirty or oily, which can reduce grip. Recalibrate the rotary axis in your software if necessary.
Rotary module not recognized by laser engraver	Improper connection; Incompatible port	Double-check all electrical connections. Confirm that your laser engraver's port is compatible with the rotary module's connection wire.

8. SPECIFICATIONS

Feature	Detail
Model Number	555082075
Material	Aluminium
Item Weight	2.38 pounds (approx. 1.08 kg)
Product Dimensions	10.63 x 5.91 x 2.76 inches (approx. 27 x 15 x 7 cm)
Supported Material Diameter	5mm - 160mm
Supported Material Length	10mm - 195mm
Adjustable Roller Distance	19mm - 76mm (16 different positions)

Feature	Detail
Connection Port	PH2.0-6P (6 PIN)
Compatible Machines	Genmitsu 3018-Pro, 3018-Prover, 3020-Pro Max, 4040-PRO, 4040 Reno, Jinsoku LC-50 PLUS, LC-60A, LE-1620, LE-5040, and most other laser engravers/cutters.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

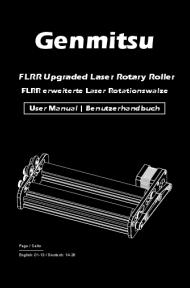
The Genmitsu Laser Rotary V2 comes with a one-year manufacturer's warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, troubleshooting, or any questions regarding your Genmitsu Laser Rotary V2, please do not hesitate to reach out to our dedicated support team. Contact information can typically be found on the Genmitsu official website or through your purchase platform.

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Related Documents - 555082075

	<p>Genmitsu FLRR Upgraded Laser Rotary Roller User Manual</p> <p>Comprehensive user manual for the Genmitsu FLRR Upgraded Laser Rotary Roller. This guide provides detailed instructions on product overview, package contents, step-by-step assembly and adjustment, engraving techniques for cylinders and wine glasses, and wiring connections for laser engraving machines. Includes troubleshooting tips and contact information.</p>
	<p>Genmitsu 5.5W Compressed Spot Fixed Focus Laser Module User Manual</p> <p>User manual for the Genmitsu 5.5W Compressed Spot Fixed Focus Laser Module, detailing its features, compatibility with Jinsoku and Genmitsu CNC machines, installation, software setup with LaserGRBL, and focusing instructions.</p>

	<p>Genmitsu Rotary Module Kit User Manual for PROVer XL 4030/6050</p> <p>This user manual provides detailed instructions for installing and calibrating the Genmitsu Rotary Module Kit with the PROVer XL 4030 and PROVer XL 6050 PLUS CNC routers. Learn about the components, dimensions, and step-by-step installation procedures for 2D and 3D engraving.</p>
	<p>Genmitsu L8 Laser Engraving Machine User Manual</p> <p>Comprehensive user manual for the Genmitsu L8 Laser Engraving Machine, covering setup, safety instructions, product parameters, assembly, functions, software installation for PC and mobile, connection methods, frequently asked questions, and maintenance procedures.</p>
	<p>Genmitsu Kiosk Laser Machine User Manual & Installation Guide</p> <p>Comprehensive user manual and installation guide for the Genmitsu Kiosk Laser Engraver & Cutter, covering setup, operation, software, maintenance, and troubleshooting.</p>
	<p>Genmitsu LC-40 10W Laser Module Installation Guide</p> <p>Step-by-step instructions for installing the Genmitsu LC-40 10W Laser Module, covering the removal of the original laser module and the attachment of the new unit, including cable management.</p>