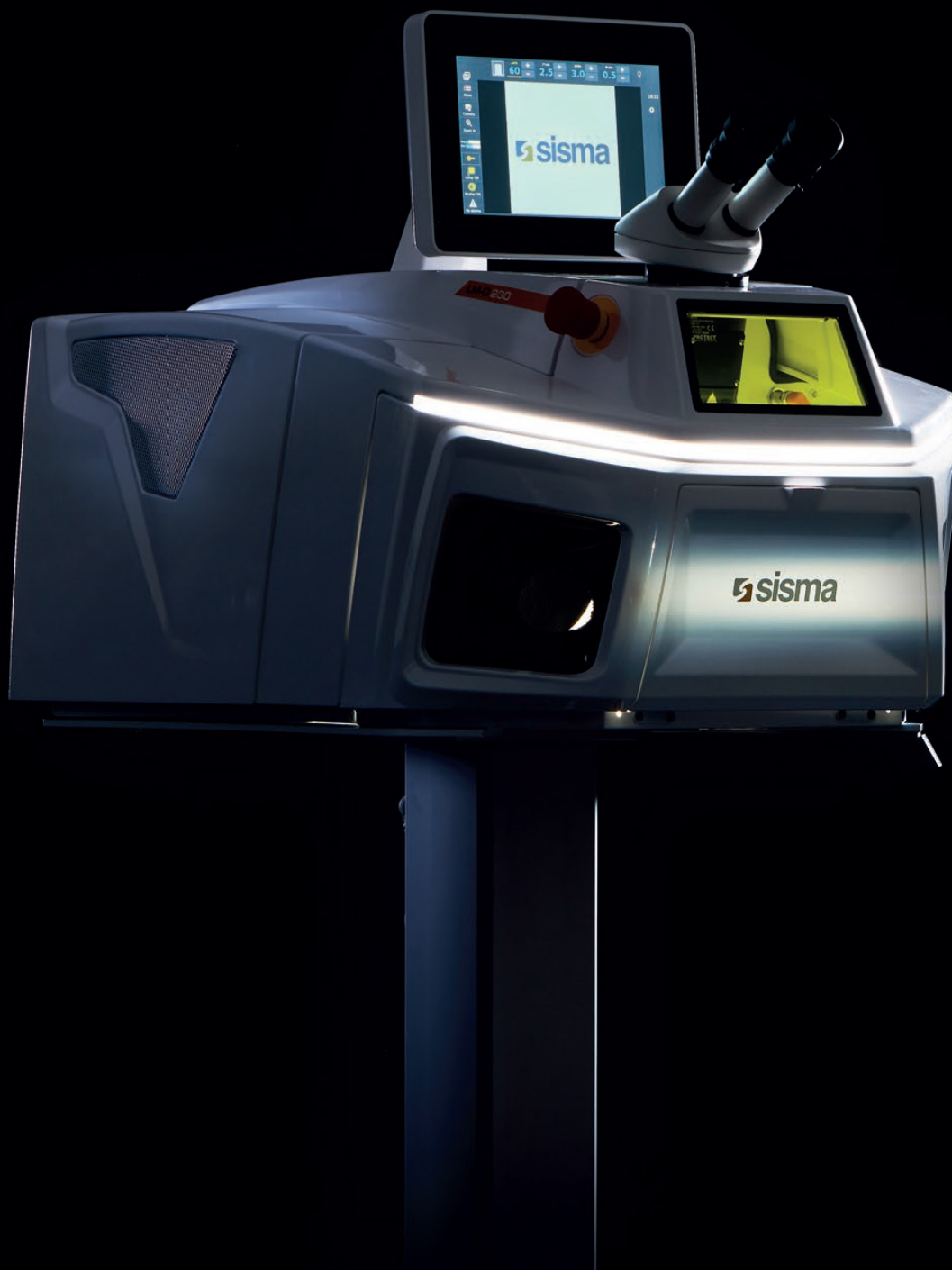


Sisma Laser Welders

A New Generation of Precision Laser Systems for Jewelers



Precision Backed by Expertise



Sisma S.p.A. has been a global leader in manufacturing high-precision laser machinery since 1961. Sisma laser welders are trusted by jewelers worldwide for their accuracy, reliability, and state-of-the-art features.

As Sisma's U.S. partner for the jewelry industry, Gesswein provides more than access to cutting-edge technology. We deliver a full support network with expert guidance, training, service, and ongoing support to help you get the most from your investment.

Built for Performance

With an ongoing commitment to innovation, Sisma has redefined what's possible in laser welding technology, delivering clean, controlled welds across repair, fabrication, custom design, and manufacturing. From gold and silver to platinum and titanium, Sisma systems handle even the most reflective alloys with ease.



Why Jewelers Choose Sisma

- Repeatability: Consistent welds, shot after shot
- Longevity: Built for years of dependable performance
- Precision: Flat-Top Beam Profile delivers even, predictable energy for safer stone-set work
- Versatility: Desktop and freestanding models with multiple access and vision options
- Ease of Use: Preloaded programs and intuitive touchscreen controls

Which Laser Welder Is Right for You?

With multiple power levels and configurations available, Sisma laser welders give you the freedom to match a system precisely to your needs. Choosing the right laser depends on how you work. Factors like usage volume, materials, number of operators, and workspace all play a role. Our team is here to help you select the right system and configurations, and to support you long after installation.

Dozens of Configurations

Sisma's jewelry laser welders are designed to support different workflows, space requirements, and production demands.

- Four power options: 190J, 230J, 260J, and 300 Joules
- 24 model variations with more than 20 accessories available
- 3-year warranty, including the flash lamp, with Gesswein support and training



Sisma Laser Welding Systems

LM-D Ready

A Powerful Entry Point into Professional Laser Welding

Key Features:

- Available in 190J and 230J configurations
- Desktop laser welder with Flex Access chamber
- OEM 10X stereo microscope with 7" touchscreen
- Lynx Dynascope vision option available
- Ideal for general jewelry repair work and fabrication



Sisma Laser Welding Systems

LM-D / LM-DT

Maximum Versatility for Repair, Fabrication, and Production

Key Features:

- Desktop systems available in 230J and 260J configurations
- Choice of Flex Access, Closed Front (arm holes and door), or Fully Open chambers
- Larger 10" touchscreen with upgraded Leica optics
- Lynx Dynascope vision option available
- Nanospot option available for ultra-fine work
- Optional Integrated Camera (T Versions) for live on-screen welding and built-in DisplayPort for TV/monitor connection.



LM / LM-DT Freestanding

High-Output Performance for Heavy Production and Manufacturing

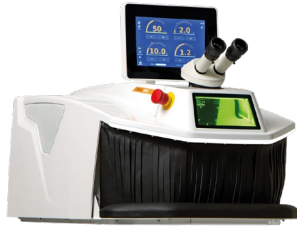
Key Features:

- 300J Freestanding systems with wheeled, height-adjustable base
- Larger 10" touchscreen with upgraded Leica optics
- Advanced cooling system for extended use
- Nanospot included for ultra-fine work
- Power Boost included for short bursts of high energy
- Velvet Spot Technology (coming soon) for improved depth and weld finish
- Available with Integrated Camera (T Version) and built-in DisplayPort for TV/monitor connection.
- Maximum power, stability, and ergonomics for the most demanding applications.



Configurations to Fit Your Workflow

Desktop Welders



LM-D Ready,
LM-D, LM-DT

Freestanding Models



LM and LM-T with
height-adjustable base

Work and Arm Access Options



Closed Front
Arm holes with front door



Flex Access
Wide opening with leather flaps



Fully Open
Maximum chamber access

Optics & Vision Choices



OEM 10X Stereo Microscope
with 7" Touchscreen
(LM-D Ready)



Leica 10X stereo microscope
with 10" touchscreen
(most models)



Lynx Dynascope: Ergonomic
3D viewing option



Integrated Camera: Live,
on-screen welding with
external monitor connection
(T Versions)

Not sure which platform fits your shop?

Our team is here to help you compare power levels, access styles, and vision systems to build the right configuration for your work.



Contact us
for more
information

Accessories

Flow Gauge Argon Regulator

8301794



Compatibility:
All Sisma Jewelry Welders

Ergokit For Microscope

8308050



Compatibility:
All LM-D Welders excluding Lynx

Forehead Rest Support

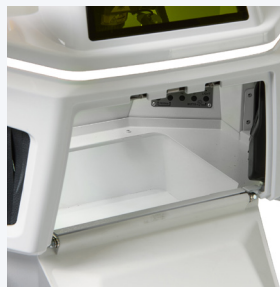
8308052



Compatibility:
All LM-D Welders excluding Lynx

Lower Box For Large Pieces

8308056



Compatibility:
All LM-D Welders excluding Open Access Models

Varibench Metal-Top Table

8101840



Compatibility:
All LM-D Welders

Ikohe® Saddle Stool

8101810



Speedwire Dispensers



SILO™ Organizer Small

10K Yellow Gold 30 ga
8302793

18K Yellow Gold 30 ga
8302796

19K White Gold 36 ga
8302807

SILO™ Organizer Large
8302821

14K Yellow Gold 30 ga
8302795

18K Rose Gold 30 ga
8302802

Sterling/5% platinum 30 ga
8302809

SILO™ Organizer Small
8302820

14K Rose Gold 30 ga
8302801

19K White Gold 30 ga
8302797

Platinum/ruthenium 30 ga
8302808

 View all
accessories
online

Service & Support



Service and Support You Can Count On

At Gesswein, we provide more than just technology—we deliver the expertise and support behind it. From installation to long-term service, our U.S.-based team is here to keep your Sisma laser performing at its best.



Trained Laser Professionals

Our account managers and service technicians are fully trained on Sisma systems to provide expert guidance and high-quality support.



Laser Install & Training

We provide resources to help set up, operate, and maintain your laser so it runs smoothly for years to come.



Preventative Maintenance

Routine service reminders and fast access to replacement parts help minimize downtime and keep production on track.



Remote & Onsite Support

Our team offers remote diagnostics and onsite service to quickly resolve performance issues and restore peak operation.

Sisma Laser Welder Comparison Chart










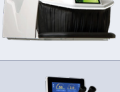

Compare our jewelry laser welder power levels, formats, and configuration options.

All welders below share the following specifications:

- Nd:YAG Laser Source
- 230V, 1-Phase, 12A, 50/60Hz
- 3-Year Warranty



Learn more
about Sisma
Lasers

Model		Joules	Configurations	Max Power	Pulse Duration	Avg Watts	Pulse Frequency	Spot Diameter	Display & Optics
	LM-D Ready	190J	Flex Access	7.5kW	0.5-25ms	65W	0.55-50 Hz	0.2mm - 2mm	7" HD Touchscreen Stereo 10X Microscope
	LM-D Ready	230J	Flex Access	9kW	0.5-25ms	85W	0.55-50 Hz	0.2mm - 2mm	7" HD Touchscreen Stereo 10X Microscope
	LM-D Ready Lynx	230J	Flex Access	9kW	0.5-25ms	85W	0.55-50 Hz	0.2mm - 2mm	7" HD Touchscreen Lynx Dynascope
	LM-D	230J	Door with Arm Holes	9kW	0.5-25ms	85W	0.55-50 Hz	0.2mm - 2mm	10" HD Touchscreen Leica Stereo 10X Microscope
								0.05mm - 2mm (Nanospot)	Integrated Camera Option (T-Version)
	LM-D Lynx	230J	Flex Access	9kW	0.5-25ms	85W	0.55-50 Hz	0.2mm - 2mm	7" HD Touchscreen Lynx Dynascope
	LM-D Flex	230J	Flex Access	9kW	0.5-25ms	85W	0.55-50 Hz	0.2mm - 2mm	10" HD Touchscreen Leica Stereo 10X Microscope
								0.05mm - 2mm (Nanospot)	Integrated Camera Option (T-Version)
	LM-D Open	230J	Fully Open	9kW	0.5-25ms	85W	0.55-50 Hz	0.05mm - 2mm (Nanospot)	10" HD Touchscreen Leica Stereo 10X Microscope
	LM-D	260J	Door with Arm Holes	10.5kW	0.5-25ms	95W	0.55-50 Hz	0.2mm - 2mm	10" HD Touchscreen Leica Stereo 10X Microscope
								0.05mm - 2mm (Nanospot)	Integrated Camera Option (T-Version)
	LM-D Flex	260J	Flex Access	10.5kW	0.5-25ms	95W	0.55-50 Hz	0.2mm - 2mm	10" HD Touchscreen Leica Stereo 10X Microscope
								0.05mm - 2mm (Nanospot)	Integrated Camera Option (T-Version)
	LM-D Open	260J	Fully Open	10.5kW	0.5-25ms	95W	0.55-50 Hz	0.05mm - 2mm (Nanospot)	10" HD Touchscreen Leica Stereo 10X Microscope
	LM Flex	300J	Flex Access	11.2kW	0.5-25ms	110W	0.55-50 Hz	0.05mm - 2mm (Nanospot)	10" HD Touchscreen Leica Stereo 10X Microscope
									Integrated Camera Option (T-Version)