NAMSON®
PASSION FOR INNOVATION
ISO 9001:2008 CERTIFIED

LASER SOLUTION IN THE JEWELRY INDUSTRY

NAMSON

POWERFUL YET AFFORDABLE LASER MARKER - WELDER

MADE IN VIETNAM

Powered by

SPI® Lasers | SCANLAB

GENERAL COMPANY PROFILE

NAMSON TECHNOLOGY - ENGINEERING

Namson Technology and Engineering Company Limited (Namson Laser) was founded by experienced experts in electronics and technology information in 2002 with the passion of positioning Namson Laser as a leading company in supplying laser machinery, card printer, identification solution, and the related services in Vietnam.

Over the past 13 years of operation with 100% domestic capital, Namson Laser has set their own image in customers' minds, which is a company providing prestigious, high quality products; good after-sales service; enthusiastic, experienced staff. Innovation and creativity are made in the hope of offering the Vietnamese and foreign customers with the useful solutions, contributing to develop the economy of Vietnam.

VISION

- Become a leading company in the laser industry relating to materials processing.
- Globally promote Namson PowerMARK.

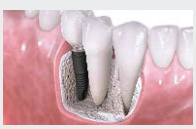
MISSION

- Supply high technology yet affordable laser equipment to domestic and international customers.
- Benefit and satisfy partners and customers by win-win solution.
- Maintain and strengthen Namson Laser's position in existing markets and reach new markets.

APPLICATIONS

NAMSON TECHNOLOGY - ENGINEERING

Medical & Pharmaceutical


Dentistry

Jewelry

Molding

Packaging

Brewing & Beverage

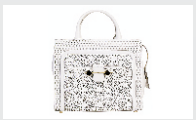
Mechanics

Semiconductor

Electronics

Automation

Utensils


Textile & Footwear

Gift & souvenir

Leather

Paper-card

LASER MARKER NAMSON POWERMARK

NAMSON TECHNOLOGY - ENGINEERING

Namson PowerMARK F series is the first high-speed laser marker-cutter in Vietnam which is manufactured by Namson Technology – Engineering Co., Ltd. and includes such strong points as following:

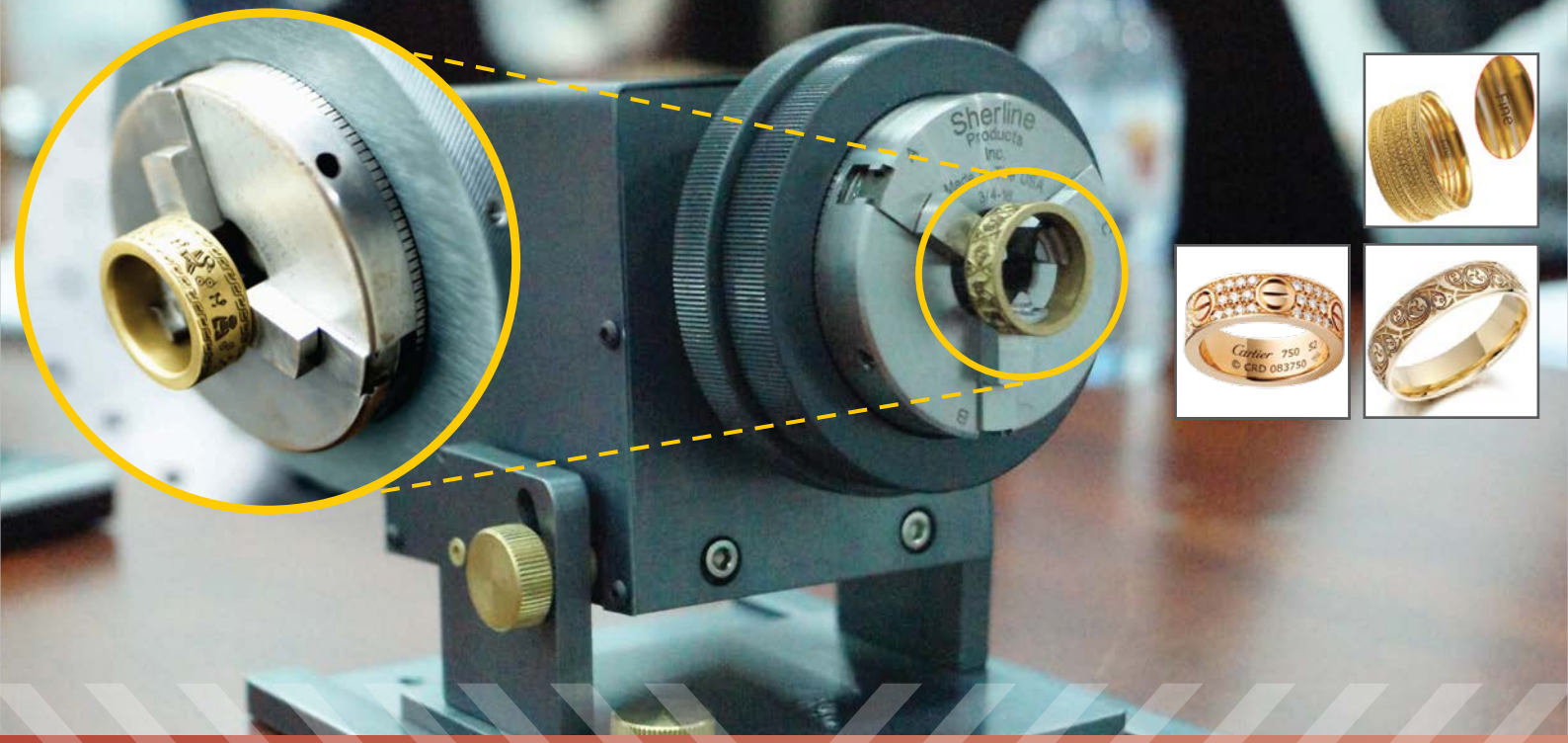
- High stability and accuracy.
- Easy to use and operate.
- Minimize the costs of operation and maintenance.
- Apply the innovative Fiber laser.
- Accessories from the world's leading manufacturers such as SPI (UK), Raylase (German), etc.
- 2-year warranty directly from manufacturers, not passing through distributors.

LASER WELDER NAMSON POWERWELD

NAMSON TECHNOLOGY - ENGINEERING

Namson PowerWeld 150 Joule laser welding machine is derived from the Italian laser welding technology that is the First Assembly in Vietnam with brand of Namson .

- User friendly, quick and easy handling.
- Optimized for highly reflective materials.
- Micro welding of seam widths from 0.1mm to 2mm.
- No thermal load of sensitive precious stones.
- Welding with and without filler material.



LASER APPLICATION IN THE JEWELRY INDUSTRY

NAMSON TECHNOLOGY - ENGINEERING

MARKING-CUTTING SOPHISTICATED DETAILS:

Laser is applied wonderfully in the jewelry industry in order to make the sophisticated details without causing any damages to the jewelry.

NON-CONTACT PROCESSING TECHNOLOGY:

Non-contact solution. Causing no indentations or perforations on the surface, especially of hollow, thin rings and bracelets.

PATTERN MARKING, PERSONALIZED MARKING:

Laser is capable of marking letters and images with the identified depth. It works quickly (several seconds), which satisfies customers who expect to mark names, fingerprints, wishes, photos on the jewelry right at the store. By this way, stores would be different from others to attract more customers coming to buy jewelry.

Personalized marking, name marking

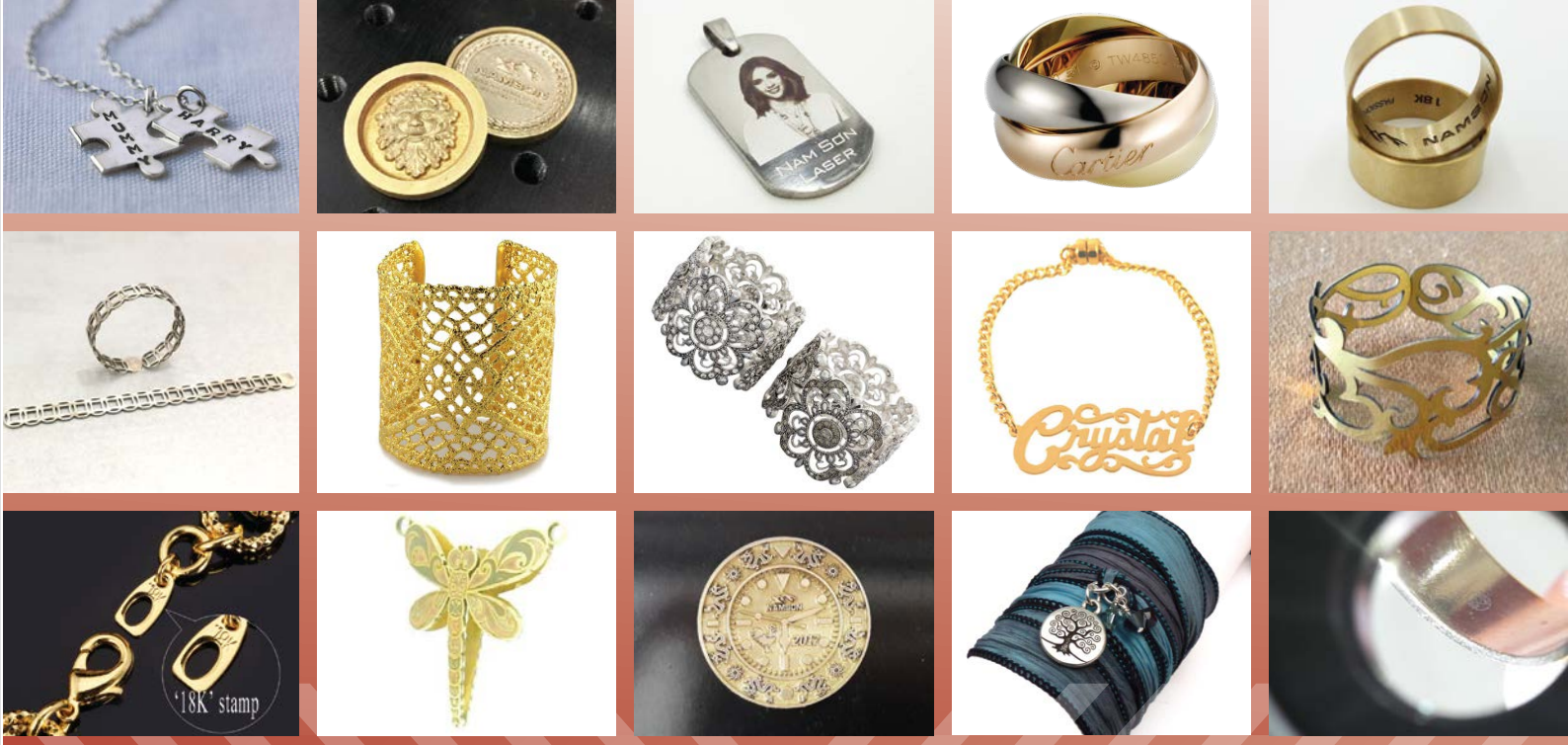
Manufacturing combining with cutting-marking

Engraved 3D pattern

Color marking

Photo marking

Customized manufacturing



LASER APPLICATION IN THE JEWELRY INDUSTRY

NAMSON TECHNOLOGY - ENGINEERING

Welding for jewelry manufacturing

ANTI-COUNTERFEIT MARKING:

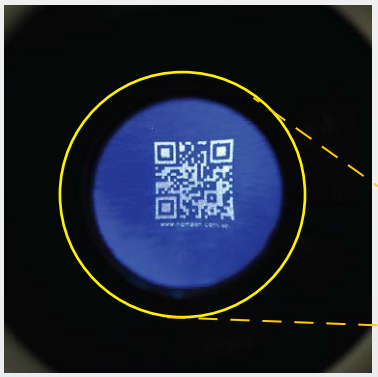
The ability of marking small details that cannot be seen by naked eyes helps prevent counterfeiting.

Logo marking

JEWELRY WELDING

Re-tip jewelry with the clean point of welding. Can be used to fill porosity/crack and resize rings.

Welding for jewelry repair



Anti-counterfeit marking

MANUFACTURING SUPPORT:

Laser marking - welding machine can be used to assist the process of manufacturing premium jewelry by the functions of cutting and marking.

Laser is used to cut the complete details (pendants, edges of the ring, etc.) or to cut/mark details that are attached on the body of the jewelry.

CUSTOMERS

NAMSON TECHNOLOGY - ENGINEERING

Phu Nhuan Jewelry

Sai Gon Jewelry

Ben Thanh Jewelry

Bao Tin Minh Chau Company

Kim Tin Jewelry

Ngoc Tham Jewelry

Thanh Mao Jewelry

Phuc Thanh

Kim Huong Jewelry

Vang Chanh

Tiet Vinh Jewelry

Loc Tho Jewelry

Kim Quang Jewelry

Kim Hoa Jewelry

Hai Hong Jewelry

Chien Hoa Jewelry

Kim Hoan Tai

Sumitomo ISUZU TOSHIBA VIETSOVPETRO NGHIA TANA DAITHANH Phồn vinh cuộc sống Việt

TESTIMONIALS

"…PowerMARK laser marker from Namson Laser operates at very high speed but still produce the good quality on the processing surface. The software is so easy to use that new employees is able to learn how to use quickly. Namson Laser's employees are enthusiastic that whenever we contact, they solve the problem quickly…"
(Mr. Canh – Nidec Copal, HCMC)

"…The products are high-quality, adaptive with our demand.
Customer service is professional…" (Mr. Trong, Kim Tin Jewelry, Cao Bang, Vietnam)

"…The machine definitely helps users make beautiful pieces of jewelry.
Good customer service…" (Mr. Dung – Loc Tho Jewelry, HCMC)

"…Software is easy to use.
I feel satisfied with the product quality and Namson Laser's customer service. They are very enthusiastic and responsive…" (Mr. Dat – Dinh Quoc Company, Hanoi)

"…The machine operates fast, marking results are nice and smooth. Software is much easier to use than previous system.
About customer service, the technical employees are very enthusiastic and friendly..." (Ms. Hieu – Nghia Nippers Company)

Technical Specifications:

NAMSON POWERMARK F SERIES				
Laser	Diode-pumped Fiber Laser (Yb: fiber). Integrated pilot laser: 650 nm / 1 mW			
Wave length	1064nm ± 5nm			
Operating principle	CW / Pulsed			
Type	RZ / EZ / RJ (Value / Pro / Supreme)			
Power / Frequency	10W - 100W / 1KHz - 1MHz			
Beam quality	Type S: M2 ≤ 1.3 / Type Z: M2 ≤ 1.6			
Pulse width	3 ns up to 520 ns			
Pilot light	Integrated	* RZ / EZ: 0.8 mm – general marking, fixed brightness * RJ: 0.2 mm – tiny detail marking, modified brightness avoiding glare		
Safety standard	Class 4, Class 1 optional / Optional close workstation			
Scanhead system	Scanlab - Germany Marking speed: < 12m/s, 850 cps (Optional higher speed). Focal lens: integrated			
Beam diameter	F-Theta 100 27 [µm]	F-Theta 160 43 [µm]	F-Theta 254 69 [µm]	F-Theta 290 82 [µm]
Marking area	70x70 mm	100x100mm	175x175mm	205x205mm
Cable length	2m			
Cooling system	Integrated, saving working area, cooling the outside cover			
PC recommendation	CPU ≥ 2GHz	OS: Win XP, Win 7 (32/64 bit)	RAM 2GB	2xUSB 2.0
PC interface	2xUSB 2.0 8 I/O signals	Output signal Notification signal	Integration signal Fly-marking	
Power Supply/Consumption	1F, 220-240V AC, 50Hz / Average: 100W / Max: 200W			
Working environment	Temperature: 15°C < 40°C	Humidity: < 80%, non-condensing		
Dimensions / Weight	Controller: 520x410x180mm, Scanhead: 440 x 294 x 645 (mm) / 45kg			

NAMSON POWERWELD 150J			
Laser source and Wavelength	Nd: YAG 1064nm		
Power	Average: 100W / Peak: 7kW		
Energy / Pulse Frequency	0.1 ÷ 150J / 0.5 ÷ 30Hz		
Impulse time	0.1 ÷ 20ms		
Spot	Diameter: 0.2 ÷ 2.0 mm - Setting: Motorized, 30 positions		
Programs	Pulse shaping 6 preset		
Memories cell stored	100		
Control	Internal: Joystick / External: 7" Color Touch Screen		
Input Power	230VAC, 50/60 Hz, single phase, 10A		
Dimensions / Weight	50x50x80 cm / 55 kg		
Type	Desktop		
Optional	Argon/ Air nozzle	Wifi	Integrated camera

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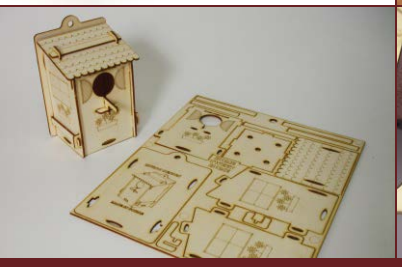

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