



GEM

Handheld laser cleaning machine

GEM-QX-100



GEM LASER LIMITED

A Legend Laser machine Manufacture & Solutions

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GEM LASER CO.,LIMITED



Traditional industrial cleaning



OVERVIEW

GEM-LASER Launched a new generation of laser non-contact cleaning of high-tech products, do not hurt the parts matrix, no supplies, energy saving, efficient removal of the surface resin, oil, stains, dirt, rust, coating, coating, paint, to meet the complex field of industrial processing Modeling, fine positioning cleaning requirements, to achieve a cleaner cleaning effect, the overall cost of lower production efficiency.

Mainly used in automobile manufacturing, machining, electronic processing, relics repair, mold industry, shipbuilding, food processing, petrochemical and other industries.

- ◆ Mechanical friction cleaning method, high cleanliness, but easy to damage the substrate.
- ◆ Chemical corrosion cleaning method, belonging to stress-free cleaning, but heavy pollution.
- ◆ Liquid solid jet cleaning method with higher flexibility, but the higher the cost, more complex waste disposal.
- ◆ High-frequency ultrasonic cleaning method good cleaning effect, but the cleaning size is limited and the workpiece after cleaning dry.

GEM-QC-100 FEATURES

Laser cleaning technology came into being as a green and environmentally friendly cleaning method. Compared with the traditional industrial cleaning, the laser cleaning technology has the following advantages and becomes an emerging laser cleaning technology which has attracted the attention of the automobile manufacturing, electronic processing, mold industry, petrochemical industry and other industries :

01 high beam quality, stable performance

02 hand-held laser cleaning head, easy and easy to use, lightweight can be used for long hours of work

03 integrated design, compact structure easy to install, power can run

04 A wide range of material applicability, flexible and efficient application to a variety of industrial processing scenarios

05 low on the working environment, the system is stable and maintenance-free, long service life

06 non-contact processing, no supplies, no damage, no pollution

APPLICATIONS



Aviation industry



Shipbuilding



Automotive industry



Food processing industry



Tire industry



Component industry



processing industry



Cultural relics protection

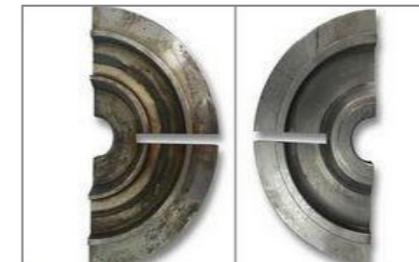


Construction industry

SPECIFICATIONS

Parameter	index
The working mode	randomly polarized
Center wavelength	1060 ~ 1070(nm)
Output average power	100 ± 5(w)
Repeat frequency	20 ~ 200(khz)
Light pulse width	140 ± 10(ns)
Beam quality	<2.0(M2)
Maximum pulse energy	5(mj)
Power adjustment range	10 ~ 100(%)
Power consumption	≤600(W)
Laser/Isolator cooling	air-cooled
Red power	≥50(uw)
Working voltage	220/110(AV)
Size	586 * 482.6 * 142.5(mm)

LASER ENGRAVED SAMPLES



Derust before

After derust



传动齿轮除锈前

传动齿轮除锈后

