

1. Questt-SB300 Automatic Bending Machine



Introduction:

Questt-SB300 Automatic Bending Machine is mainly used in sign making. It is based on precision of transmission machinery structure and retractable alternative bender, using pre-feeding leveling, clamping alternate feeding and silk rod double screw thumb planer opened slot way, controlled by QA-Auto Bend CNC system developed, coinciding with the various kinds of precision cutting of panels, especially fit for letters with small angle and radian, and the procession of complex graphics which is the best machine for the fabrication of LED channel letters, stainless steel letters, Piercing letters, Epoxy letters. It has three parts: feed, slot, and bend, can process stainless steel, aluminum, iron, galvanized sheet,

Questt-SB300 breaks traditional sign making pattern, it can make more kinds of material. For example, traditional sign making way can not make 0.4-1.2 stainless steel be letters easily, however, our bending machine can automatically shape letters at one time.

Features:

1. Retractable alternative bending format, low bending scratch,
2. Coincide with the various kinds of precision cutting of panels 99%;

3. Long tool working life, low slotting cost
4. Fast feeding speed, clamp and alternation feeding format, maximum feeding speed(20mm/s), no rolling-sliding , no scratch on appearance,
5. The slotting depth can be controlled by CNC axis, which can meet different demand of different materials
6. Roll-feed, with the unique closed-loop design and professional parameter database, controlled by CY-Auto Bend and ensuring that feed high-accuracy output;
7. It adopts two servo motors that makes feeding and bending speed faster, for example, it just spends 44s making a 30cm S.
8. Develop a self-make new software, match with machine working well and make easier process higher precision.
9. Adopts planner slotting way, making slots well and wasting cost.

Questt-SB300 Bending CNC software design:

1. Make user and machine closer, interface easier.
2. Do not need adjust joints, easier file input way.
3. Higher processing efficiency.
4. Precision : 0.01°

Parameters:

| Name | Parameters | |
|---------------------------|--|--|
| Power supply | AC200V |  |
| Total Power | 2.0KW | |
| Compressed air | 0.6-0.8kg/ cm ² | |
| Number of controlled axis | 4 | |
| Min bend radius | R3.5mm |  |
| Applied material | aluminum, stainless steel, galvanized | |
| Material thickness | 0.4-1.2mm | |
| Processing height | 20-120mm | |
| Material feeding method | Clamping and alternate feeding | |
| File format | PLT/AI/DXF | |
| Net weight | 422kg | |
| Size | 2060*620*1360mm | |
| working principle | auto-feed, auto-adjust, auto-slot, auto-bend, high precision | |
| Price | US\$9000.00 | |

2.Laser Welding Machine

Signage200

Features:

- ⌘ Application material: **S**tainless steel, steel plate, iron plate and other metal, **g**alvanized coil and alloy.
- ⌘ Red light fast positioning, CCD display, microscope optional.
- ⌘ Adjustable working table allows welding from small size to big of work piece.
 - ⌘ Fast working speed; professional jig ensures the focus fixed and makes welding easier without using CCD or microscope.
- ⌘ Slight distortion and affect by heating.
- ⌘ Capable of partial heating process.
- ⌘ Able to deal with complex, profiled, or tiny letters.
- ⌘ Ultrafine-positioning rod makes the welding of tiny corner easier without changing spot position
- ⌘ New metal processing technology brings higher quality of end products
- ⌘ Low noise & cost maintenance, no pollution, long using life.



Configuration

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| No: | Item | Description | Quantity | Origin | Remark |
|-----|------------------------------------|--------------------|----------|-----------|--------------------------------------|
| 1 | YAG Cavity | Ceramic | 1 set | UK | Morgen |
| 2 | Thermostatic water cooling machine | Boding | 1 set | Shenzhen | less noise and low power consumption |
| 3 | Optical lens | Wavelength | 1 set | Singapore | focal length 150mm |
| 4 | Laser power | QALASER | 1 set | Wuhan | |
| 5 | CCD | Observation system | 1 set | Shenzhen | Standard configuration |
| 6 | YAG bar | BOET | 1 set | Beijing | |

Technical Parameters:

| | |
|--------------------------|--|
| Model | Signage-200 |
| Laser working substance | Nd3+: YAG Crystal & ceramic resonance cavity |
| Rated power | 200W |
| Max. single-pulse energy | 90J |
| Max. peak power | 9KW |
| Laser wavelength | 1064nm |
| Focused facula diameter | φ0.10-3.0mm adjustable |
| Pulse width | 0.2-20ms adjustable |
| Pulse frequency | 1-30HZ Adjustable |
| Pulse depth | ≤6mm |
| Working table scale | 750*1000mm |
| 3-axis itinerary | X=700mm Y=150mm Z=200mm |
| Controlling system | Single-chip microprocessor |
| Observing system | CCD |
| Cooling system | Water chiller 220V/50HZ |
| Packing Size | 1530*830*1100mm + 720*560*950mm=1.8CBM |
| Gross weight | 309KG |
| Price | US\$6000.00 |

3. Laser Welding Handy

Signage500H



Work Principle:

Hand Torch laser welding machine passes high-energy laser light beam through soft fiber cable to one small laser head (or more laser heads at the same time) so that the laser can work on some parts hardly to reach. Hand-held laser head is very flexible to use and makes multi-parts welding available.

Application:

Applied for the welding of various metal channel letters, metal letter back-kit, customized metal signage, and oversized exterior billboards, and so on.

Features and advantages:

1. Red dot fast positioning with CCD monitor for detail observation
2. Work table adjustable for different size or weight of metal letters.
3. Fast welding process; Exclusive or customized fixing jig device; Fast focusing and positioning without a CCD or microscope.
4. Less heat deformation and smaller heat affected area.
5. A perfect replacement of traditional soldering and TIG, especially when welding work piece smaller than 5cm or bigger than 100cm.
6. Able to process profiled piece or micro piece.
7. Low noise and pollution-free.
8. With the help of ultrafine positioning rod, you don't need to adjust light spot at smallest corner.
9. 3 to 5 meters soft fiber cable will pass high-energy laser to every complex or micro or oversized work piece.
10. Manual laser trigger and foot-paddle laser trigger per user's requirement.

Prospect of laser technology in Ads industry:

With the booming of global advertising industry, metal letters has been more and more popular because of its colorfulness, attractiveness, heating-proof, frozen-proof, no deformation, no fadedness (8-10 years color preservation), corrosion proof, rainproof, and spontaneous combustion proof and some other good features. AD metal letters are made of stainless steel, aluminum, copper or other metal sheet being cut, polished, hemmed, and welded. The core feature of AD metal letters is being rustproof, with long life span and dimensional looks.

Regular combination and fixing of metal letters are done via glue, rivets or soldering, but all of them have big defects. Metal letters combined by glue always get loose with time goes by, especially at outdoors. Fixing by rivets sounds good, but not good-looking. Soldering is never a green way of fixing metal letters because of the poisoning gas produced when processing. However, laser welding technology makes two metal sheets become one only by a few melting spots. From any aspect, laser welding is the best solution and the greenest.

Hand-held fiber laser welding machine come out just to make up for the deficiency that normal metal letter welding machine can't weld micro or oversized letters.

Configuration:

| No: | Item | Description | Quantity | Origin | Remark |
|-----|------------------------------------|--------------------|----------|-----------|--------------------------------------|
| 1 | YAG Cavity | Ceramic | 1 set | UK | Morgen |
| 2 | Thermostatic water cooling machine | Hanli, China | 1 set | Shenzhen | less noise and low power consumption |
| 3 | Optical lens | Wavelength | 1 set | Singapore | focal length 150mm |
| 4 | Laser power | QAPLASER | 1 set | Wuhan | |
| 5 | CCD | Observation system | 1 set | Shenzhen | Standard configuration |
| 6 | YAG bar | BOET | 1 set | Beijing | |
| 7 | Fiber cable | | 1 set | Germany | |

Specification:

| | |
|--------------------------|---|
| Model | Signage-500H |
| Laser working substance | Nd3+: YAG crystal & gilded resonance cavity |
| Rated power | 500W |
| Max. single-pulse energy | 120J |
| Max. peak power | 12KW |
| Laser wavelength | 1064nm |
| Focused facula diameter | φ0.10-3.0mm Adjustable |
| Pulse width | 0.2-20ms adjustable |
| Pulse frequency | 1-30HZ Adjustable |
| Pulse depth | ≤6mm |
| Working table scale | 750*1000mm |
| 3-axis itinerary | X=700mm Y=150mm Z=200mm |
| Controlling system | Single-chip microprocessor |
| Observing system | CCD |

| | |
|----------------|---|
| Cooling system | Water chiller 380V/50HZ or 60HZ |
| Packing Size | 1530*810*1100mm + 960*760*1150mm +960*670*950mm=2.8CBM |
| Gross weight | 340KG |
| Price | US\$13,000 |

| | | | | | |
|--|---|---|---|---|---|
| Work under atmospheric pressure | + | - | + | + | + |
| Filler material | 0 | - | + | + | - |
| Automatic processing | + | - | + | 0 | + |
| Running cost | 0 | - | + | + | + |
| Reliability | + | - | + | + | + |
| Assembling | + | - | - | - | - |
| “+”means superiority; “-”means inferior; “0”means moderate | | | | | |

4. QA150-1325 CO2 Laser Engraving and Cutting System



Introduction:

1.600 degree heat treatment, 24 hours cooling in the oven, 8 meters gantry milling, accurate argon shielded arc welding to make sure 20 years usage without deformation.



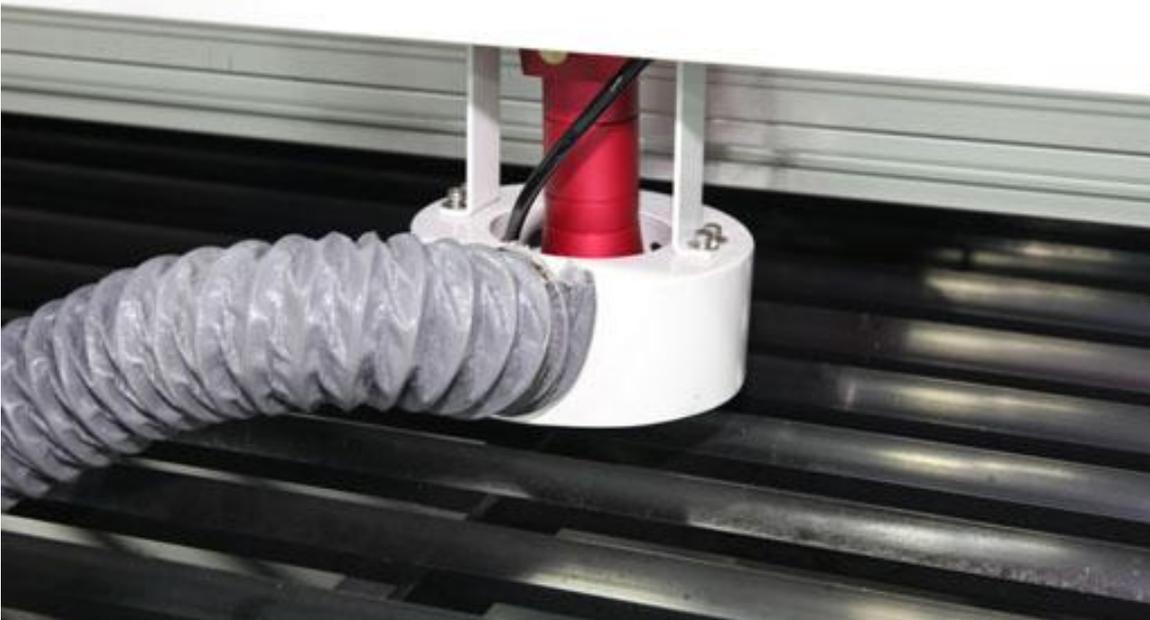
2. Adopts precision collimator for guide installation and debugging test, the accuracy of 0.01 mm, synchronous wheel pumping test, in order to prevent the cutting is choppy, precision up to 0.02 mm.



3. Patent laser cutting bed convulsions system and convulsions system, which can effectively eliminate 80% waste flue gas. Equipped with convulsions system. Under the convenient receiving device.



4. Adopt high precision laser head, X axis transmission adopts aluminum structure, the weight reaches to 1.2 tons. Effective guarantee the stability of the machine tool.



Specification:

| QA150-1325 laser engraving and cutting laser | |
|---|---|
| Model | QA150-1325 |
| Max laser average power | 150W |
| Laser medium | Sealed CO2 laser |
| Engraving/cutting size | 1300mm x 2500mm |
| Laser qty | One |
| Cooling mode | Water-cooling and protection system |
| Cutting Speed | 0 ~ 12,000mm / min |
| Engraving Speed | 0 ~ 32,000mm / min |
| Reposition Accuracy | ± 0.01mm |
| Min. letter size | 1.0mm |
| Cutting table | Professional engraving table |
| Voltage | 220V (110V), 50/60Hz |
| Power consumed | 500 W |
| Controlling software | Micro controller |
| Compatible software | CorelDraw; AutoCAD; Photoshop |
| Auxiliary equipments | Exhaust-fans, air-exhaust pipe |
| File format support | AI,BMP, PLT,DXF, JPEG, GIF; DMG |
| Operation temperature | 0°C ~ 45°C |
| Operation humidity | 5% ~ 95% |
| Price | 15,000 USD for metal and nonmetallic 12,000 USD for only non metal |

5.Rigid-YAG300/500 Laser Cutting Machine

| SPECIFICATION | |
|------------------------------------|--|
| Laser medium | Nd3+:YAG |
| Light wavelength | 1.06μm |
| MAX output power | 300W |
| the max. divergence | 25mrad |
| Single pulse energy | 80J |
| Pulse width | 0~20ms adjustable |
| Pulse repeated frequency | 0~300Hz adjustable |
| Cooling system | Double circle water cooling, flux > 3.6t/h |
| Diameter of the smallest beam spot | 0.02mm |
| Cutting area | 200*200mm, 300*300mm, 400*400mm, 500*500mm, 1000*1000mm etc |
| Max Cutting Speed | 2-3M/min |
| Cutting Position accuracy | ±0.02mm/1000mm |
| Max thickness for SS | 3-6mm |
| Dimension | 2700mm×800mm×1700mm |
| Power supply and cooling system | Three-phase,AC,380V±10%, 18KW, deionized water cooling |
| Components | Main cabinet, power cabinet, X-Y worktable, heat exchanger, cooling system |
| Weight | 300Kg |
| Price | USD 22,000.00 |

Brief Introduction

Characteristics and Applications :

Laser welding is using 1064nm wavelength pulse laser focus and radiate on the surface of work piece. The surface heat diffuses inside of material through heat-conduction. Its numerical controlling system controls the pulse width, laser energy, peak value and repeatability accuracy of the machine and make material fusing, gasifying instantly for realizing cutting, welding, drilling by numerical controlling according to scheduled track.

The machine is including laser generator, (external) laser beam transmission part, worktable (machine tool), main controlling cabinet, cooling system and computer digital controlling system (hardware and software) etc.. It has good beam quality, high reliability, and so many multi-functions like cutting, welding, drilling. It is suitable for cutting, welding, drilling work for metal materials and cutting,

drilling work for IC ceramic board. It is an ideal accurate high-efficient flexibility processing equipment

Highlight:

Faster processing speed is faster, higher efficiency.

Smaller cutting slit, smoother cutting edge, bigger depth/diameter rate and depth/width

Small distortion, suitable for hard, fragility, soft material

No wear, no exchange problems, no mechanical distortion

Suitable for the special environment.

Typical application:

It has been widely used in the field of aviation and space, weapon, warship, petrification, medical, instrument, micro-electron, auto mobile car and so on.

Suitable material: carbon steel, stainless steel, Al alloy, copper alloy, Ti alloy, nickel molybdenum alloy and so on.

Welding, drilling and cutting metallic materials with thickness less than 2mm. Sawing the diamond to pieces or welding the cluster gear of the automobile; heat treatment of surface quenching on the motor cylinder sleeve, the railway of machine and the roller etc.; and producing metallic Nanometer materials. It is also widely used in cutting and drilling on the ceramic substrate of thick or thin membrane circuit.

Warranty Period

One year from the date the machine arrives the destination Except consumable part Xe lamp and damage artificially. The seller is responsible for offer free fittings in the warranty period (the buyer has to send the damaged fitting to seller.)

The artificial damage in the warranty period and damage after warranty period, the seller offers paid service. If the customer needs the engineer to supply the service oversea, all the expends will be paid by the customer.



6 QA100-1390 Laser Cutting Machine



Features:

1. The cutting verticality and smoothness of acrylic is the best in the industry.
2. Chinese No. 1 belt acrylic laser cutting machine with highest precision and best cutting quality.
3. This acrylic laser cutting machine can keep cutting 25mm thick acrylic for a long time with smooth edges and no sawtooth.
4. This acrylic laser cutting machine can fast cut 2mm small circles without deformation.
5. The first company in China adopting the self-developed ERP management system, 100% of the materials and parts are tested by precise equipment, each laser tube are age-tested for 8 hours, all finished machines go through an 8-hour running test before delivery.
6. The only one small power laser machine manufacturer to use 5 steps of laser tube testing technology: A. laser spot testing; B. power testing; C. lifespan testing. D. air pressure testing; E. current pounding testing.

Specification:

| | |
|--------------------------|------------|
| Processing Area | 1300×900mm |
| Max Cutting Speed | 36m/min |
| Repeated Accuracy | ±0.1mm |

| | |
|-----------------------------|--|
| Working Power Supply | AC220V±10% 50HZ |
| Location Accuracy | 0.1mm/m |
| Machine Total Power | ≤1250W |
| Working Temperature | 0°C-40°C |
| Blowing System | lower blowing system(upper blowing system is available) |
| Formats | CDR、BMP、PLT、GPEG、DXF、DST |
| Applied Materials | Acrylic, LGP, MDF, Plywood, advertisement and decoration material, Template cutting, especially designed for customers demanding high precision. |
| Price | 7000USD for metal and non metal 4000USD for only nonmetallic |

Samples:

CE CERTIFICATE

شهادة – 증명서 – Certificat – 證明書 – Сертификат – Certificate

Verification of Compliance



No. EC.1282.0A131212.SGT3499

Certificate's Holder: **Wuhan Questt Asia Technology Co., Ltd**
A7-101 Hangyu Building, Wuda Sci & Tech

Product: **Automatic Bending Machine**
Model(s): **VAM-DNB, VAM-DNB-01, VAM-DNB-02, VAM-DNB-03, VAM-SNB, VAM-SNB-01, VAM-SNB-02, VAM-SNB-03**

Directives: **2006/42/EC Machinery**

Standards: **EN ISO 12100:2010**

Remark: This Verification of Compliance has been issued on a voluntary basis. ECM confirms that a Technical Construction File (TCF) is existent for the above listed product(s). The TCF satisfactorily covers the essential requirements of the above listed Directive(s). Other relevant Directives have to be observed in case they are applicable. This Document is only valid for the equipment and configuration described and in conjunction with the TCF detailed above. Whereas the Manufacturer is responsible of the certification of the product(s) and not exempted to perform all the necessary activities before placing the product(s) on the market. The Manufacturer is also responsible of the internal production control to ensure the product(s) are in compliance with the essential requirements of the above mentioned Directive(s). This certificate can be checked for validity at www.entecerma.org

Date of issue **DECEMBER 2013**

Expiry date **DECEMBER 2018**

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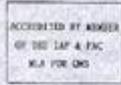
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QUALITY SYSTEM CERTIFICATE

Certificate No.:4200/200213657

We hereby certify that

Wuhan Questt Asia Technology Co., Ltd
D-212, Optic Valley, East Lake, Dev. Zone, Wuhan, China

by reason of its

Quality Management System

has been awarded this certificate for compliance with the standard

ISO9001:2000

The Quality Management System Applies in the following area:
The Design, Production and Services of Laser Devices and the Supplementary Set of Medium and Small Powered Lasers

Date of Issue: Nov. 18, 2002

Valid Until:Nov. 17, 2005



President:

李怀林

Signed by: Li huailin



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