SCREW DRIVE LASER CUTTING BED
BCL-BS

Swiss design

3 Years warranty

Honors

World brand

WIFI Control

Multi-language service

DETAILS
INTRODUCTION

Control panel

Demonstrate work process clearly
Convenient to operate and view

Stainless steel Chains between machine body and side door
Protect machine from abrading

The drawer for collecting the finished products.

Coreldraw&CAD control directly

Advanced working software which can be embeded into Coredraw and CAD, User can operate the machine by Coredraw or CAD software directly.

Standard Blade Working Table

All screws are made by stainless steel

PARTS AND FUNCTION

WIFI wireless control

Convenient - Wireless control
High efficiency - One PC can control more than one set machines

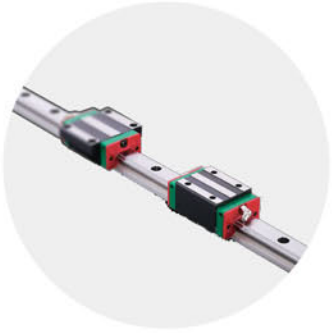
Japan Panasonic Servo Motor

The increased power demands of large automation components utilize the robust performance of SGM7G.

Laser tube

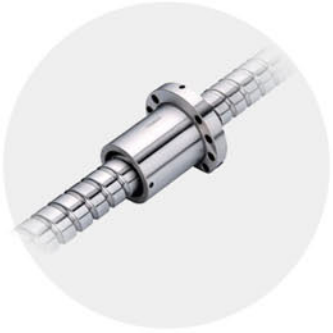
When the working current is 4mA and the tube is in the state of preionization, the laser can be used for high-frequency impulse engraving

Japan Omron Electronic components



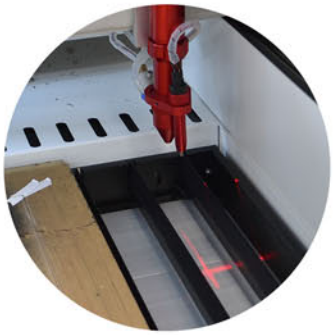
Taiwan Square Rail

It features equal load ratings in the radial, reverse radial and lateral directions, and self-aligning to absorb installation-error.



Lift platform is driven by ball screw

High precision low noise



Red cross dot position system

Accurate to position
convenient to cut and engrave

Laserwork control system
(Parameter is adjustable)

LED light

Energy efficient highlight
long life time

MAIN FEATURES
6 BEST ADVANTAGES

1

High speed marking

Special laser head for high-speed scanning

2

Strong body

Machine frameworks are made by square tubes.

3

Long lifetime

More than 100000 hours life for the laser source

4

Ultra-light X axis consrtucture design

Bodor's patent design to ensure high-speed moving

5

Professional control system

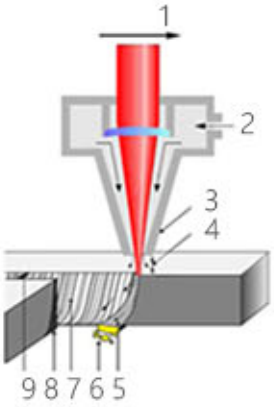
Fast,friendly,easy to use

6

3 years warranty !

WORKING PRINCIPLE

1. Moving direction
2. Auxiliary Gas
3. Nozzle
4. Nozzle Distance
5. Molten Material



6. Residues
7. Cutting section
8. Heat Affected Zone
9. Joint-Cutting

Constant light path

Total 5pcs reflection mirrors ensure stable light path

Z axis with auto-focus function Screw transmission

Wide control system compatibility

Graphic Format Supported DST PLT BMP DXF DWG AI LAS,etc

SCREW DRIVE LASER CUTTING BED BCL-BS SERIES

MACHINE PARAMETER

Model	BCL1325 BS	BCL1530 BS
Working Area	1300*2500mm	1500*3000mm
Laser Power	80W/100W/120W/150W	
Laser Type	RF tube/Combined tube	
Cooling Type	Water Cooling	
Cutting Speed	0—30000mm/min	
Laser Output Control	0—100% Software Setting	
Smallest Character Engraving	2.0*2.0mm1.0*1.0mm / English 1.0mm*1.0mm	
Highest Scanning Recision	4000DPI	
Locating Precision	≤+0.05mm	
Controlling Software	DSP Control System	
Graphic Format Supported	DST PLT BMP DXF DWG AI LAS,etc	
Compatible Software	TAJIMA,CORELDRAW,PHOTOSHOP,AUTOCAD,All Type of AUTOCAD Sofeware in Cloth	
Color Separation	Yes	
Drive System	High-precision Servor Motor	
Auxiliary Equipments	Exhaust Fan and Air Exhaust Pipe	
Power Supply	AC110V/220V+10%,50HZ/60HZ	
Option	Auto-focus Device	
Light Path	Constant	

Application

Industry:

Advertising industry, lighting industry, exhibition industry, decoration, crafts gifts

Material:

Such non-metal hard materials as,acrylic,wood planks(balsawood,paulownia), double-colour board,ABS board,rubber,plastic etc.