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SS-890B Plus

多功能光纤激光打标机
Laser Machine

Guangzhou Sunshine Electronics Technology Co., Ltd.

Production standard: meet the Industry standard and
Sunshine quality inspection standards.

Address: No.283, Longxi Road, Liwan District, GuangZhou, China.

Website: [www. exinxun. com](http://www.exinxun.com)

品牌商: 广州歆讯电子科技有限公司

制造商: 广州新讯咪修电子科技有限公司

生产标准: 符合行业标准和工厂质量检测标准

地址: 广州市荔湾区龙溪大道283号

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1.PRODUCT DESCRIPTION 产品介绍

SS-890B Plus is a small automatic laser marking and dismantling machine, imported sensor auto-focus, mobile phone wireless control, built-in computer, Maximum height of marked objects 65mm±5mm, imported high-precision calibrator accurate calibration, laser head fixed and reliable, focusing by the table activity, machine top, left and right with access to the dismantling port, one-touch start, simple operation, small size, light weight, preferred overseas, new intelligence, concentrated essence!

SS-890B Plus 是一款小型全自动激光打标拆屏机, 进口感应器自动对焦, 手机无线控制, 内置电脑, 标刻物件最大高度65mm±5mm, 进口高精度校准仪准确校准, 激光头固定可靠, 对焦由工作台活动, 机器上、左、右配有检修拆卸口, 一键启动, 操作简单, 体积小、重量轻, 海外首选, 全新智能, 浓缩精华!

2.PRODUCT SCHEMATIC 产品示意图



3.SPECIFICATION PARAMETERS 规格参数

工作电压	Working voltage	110~220V
产品功率	Product power	143w
激光机功率	Laser machine power	20w
打标精度	Marking accuracy	≤0.001mm
打标速度	Marking speed	≤10000mm/s
冷却方式	Cooling mode	内置风冷/Built-in cold air
激光波长	Laser wavelength	1064nm
重复精度	Repeatability	≤0.001mm
产品尺寸	Product size	24*43*46cm
包装尺寸	Package size	55*52*35cm
产品净重	Net weight	16.65kg
产品毛重	Gross weight	25.7kg
打标深度	Marking depth	0.015-0.5mm
打标幅面	Marking width	175mm*175mm
打标线宽	Marking line width	0.05-0.1mm

配置: 激光打标机*1, 键盘*1, 鼠标*1, 外置显示屏*1, 支架*1, 说明书*1, 内六角扳手*1套, 电源线*1, 防烟罩*1。
Configuration: laser marking machine*1, keyboard*1, mouse*1, external display*1,stand*1, manual*1, hexagonal wrench*1 set, power cord*1, Fume hood*1.

4.STEPS: MOBILE APP VERSION 操作步骤: 手机APP版

- To dismantle the handset.
- 1) Plug in the power cord and turn on the power, fan and laser switches.
 - 2) Remove the lens cover of the high-speed oscillator.
 - 3) Positioning the handpiece along the fixing fixture.
 - 4) Activate the focus button Focus, after focusing is complete.
 - 5) Mobile App shop search and download (Laser Mark) and (Unzip Master) software:Unzip Master download link: <https://apps.apple.com/cn/app/%E8%A7%A3%E5%8E%8B%E5%A4%A7%E5%B8%88-zip-rar-7z-%E8%A7%A3%E5%8E%8B%E8%BD%AF%E4%BB%B6/id1493708052>
 - 6) Website search (www.exinxun.com) to download the new version of the mobile drawing file:.
 - 7) Decompress the downloaded mobile phone drawing file using (Unzip Master).
 - 8) Connect the mobile phone to the corresponding laser product WIFI hotspot (SWD):
 - 9) Open the mobile phone APP (Laser Mark), click on the bottom left corner of the connection (Connect) to automatically identify the connection:.
 - 10) Open the drawing (Open) and select: Other files on this machine - My phone - Unzip Master -New system drawings - select the corresponding model drawings needed - drawings open successfully

- (11) Click on the fill to change the marking parameters (LayerEditor) marking speed: 500-1000, power: 30, adjusted according to the phone.
- (12) Click on the APP preview key or keyboard F1 to check whether the red light coincides with the marking position of the mobile phone.
- 13) Click the APP marking key or the product marking key (Star) to start marking; remove the phone at the end of marking to dismantle it.

●拆手机

- 1) 插上电源线, 打开电源、风机和激光开关;
- 2) 取下高速振镜的镜头盖;
- 3) 沿固定夹具放置好手机;
- 4) 启动对焦键Focus, 对焦完成后;
- 5) 手机APP应用商店搜索下载 (Laser Mark) 以及 (解压大师) 软件:
解压大师下载链接: <https://apps.apple.com/cn/app/%E8%A7%A3%E5%8E%8B%E5%A4%A7%E5%B8%88-zip-rar-7z-%E8%A7%A3%E5%8E%8B%E8%BD%AF%E4%BB%B6/id1493708052>
- 6) 网站搜索 (www.exinxun.com)下载新版手机图纸文件:
- 7) 用 (解压大师) 解压出下载好的手机图纸文件;
- 8) 手机连接对应激光器产品WIFI热点 (SWD):
- 9) 打开手机APP (Laser Mark), 点击左下角连接 (Connect)自动识别连接:
- 10) 打开图纸 (Open) 选择: 本机上的其它文件—我的手机—解压大师—新系统图纸—新系统图纸—选择对应需要的型号图纸—图纸打开成功;
- 11) 点击填充更改打标参数 (LayerEditor)打标速度: 500-1000 , 功率: 30, 根据手机进行调整;
- 12) 点击APP预览键或者键盘F1, 检查红光是否和手机需要标刻位置重合;
- 13) 点击APP打标键或产品标刻键 (Star) , 开始标刻; 标刻结束取下手机, 即可拆机;

● Type the photo

- 1) Click on the APP picture (image).
- 2) Select the picture to be marked.
- 3) click on the object properties (Property) check the inversion, the format select the dot (Dot) and close.
- 4) click on the marking parameters (LayerEditor) to set the speed ,power .
- 5) Fix the object to be marked (keep the mark on a horizontal plane), activate the focus key Focus and click on APP Preview or keyboard F1.
- 6) Press (A+) or (A-) to zoom in and out of the picture according to the need of red light preview.
- 7) Click on the APP marking key or the product marking key (Star) to start marking.

●打照片

- 1) 点击APP图片 (image);
- 2) 选择需要打标图片;
- 3) 点击对象属性 (Property)勾选反转, 格式选择网点 (Dot)后关闭;
- 4) 点击打标参数 (LayerEditor)设置速度、功率;
- 5) 固定好需要标刻的物体 (标刻位置保持在一个水平面) ,启动对焦键Focus后点击APP预览;
- 6) 根据红光预览需要按(A+)或 (A-) 进行图片放大缩小;
- 7) 点击APP打标键或产品标刻键 (Star) , 开始标刻。

● To type text

- 1) Click on the APP text (Text).
- 2) Enter the content to be marked.
- 3) Click To Center to centre the text.
- 4) Click Fill and check Enable, Fill type is Bidirection;
- 5) Click on the marking parameters (LayerEditor) to set the speed and the power.
- 6) Fix the object to be marked (keep the marking position on a horizontal plane), activate the focus key Focus and click on APP Preview.
- 7) Press (A+) or (A-) to zoom in and out of the text as required by the red light preview.
- 8) Click on the APP marking key or the product marking key (Star) to start marking.

●打文本

- 1) 点击APP文本 (Text);
- 2) 输入需要打标的内容;
- 3) 点击居中 (To Center), 使文本居中位置;
- 4) 点击填充 (Fill)勾选启用 (Enable),填充方式 (Fill type)为弓形 (Bidirection);
- 5) 点击打标参数 (LayerEditor)设置速度、功率;
- 6) 固定好需要标刻的物体 (标刻位置保持在一个水平面) ,启动对焦键Focus后点击APP预览;
- 7) 根据红光预览需要按(A+)或 (A-) 进行文本放大缩小;
- 8) 点击APP打标键或产品标刻键 (Star) , 开始标刻。

● To type a vector file

- 1) Click on the APP vector file (Vector).
- 2) Select: Other files on this machine - My phone - Select the download item (Choose the file you downloaded to) - Select the vector file you need.
- 3) Click on Fill and check Enable, Fill type for Bidirection.
- 4) Click on the marking parameters (LayerEditor) and set the speed and the power.
- 5) Fix the object to be marked (keep the marking position on a horizontal plane), activate the focus key Focus and click on APP Preview.
- 6) Press (A+) or (A-) to zoom in and out of the text as required by the red light preview.
- 7) Click on the APP marking key or the product marking key (Star) to start marking.

●打矢量文件

- 1) 点击APP矢量文件 (Vector);
- 2) 选择: 本机上的其它文件—我的手机—选择下载项 (您文件下载到哪就选哪个 —选择需要的矢量文件;
- 3) 点击填充 (Fill)勾选启用 (Enable),填充方式 (Fill type), 为弓形 (Bidirection);
- 4) 点击打标参数 (LayerEditor)设置速度、功率;
- 5) 固定好需要标刻的物体 (标刻位置保持在一个水平面) ,启动对焦键Focus后点击APP预览;
- 6) 根据红光预览需要按(A+)或 (A-) 进行文本放大缩小;
- 7) 点击APP打标键或产品标刻键 (Star) , 开始标刻。

● **(Vector file download)**

- 1) Files can be sent via WeChat.
- 2) Click on the file and choose to open it with another application.
- 3) Choose to store it in "File" - one of the items in my phone such as (download item) - storage complete.

● **(矢量文件下载)**

- 1) 可通过微信发送文件;
- 2) 点击文件, 选择用其他应用打开;
- 3) 选择存储到“文件”——我的手机其中一项如(下载项)——存储完成;

■ **5.OPERATING STEPS: EXTERNAL DISPLAY VERSION**
操作步骤: 外接显示屏版

● **Dismantling mobile phones**

- 1) Plug in the power cord and turn on the power and laser switch.
- 2) Click to open the document and select the corresponding drawing.
- 3) Place the handpiece along the fixing fixture.
- 4) start the focus key Focus, after the focus is completed.
- 5) adjust the parameters, marking speed, power, according to the phone to adjust.
- 6) click on the red light F1 or keyboard F1 to check whether the red light coincides with the position of the phone to be marked.
- 7) Activate the marking key and start marking; remove the handset at the end of marking to dismantle it.

● **拆手机**

- 1) 插上电源线, 打开电源与激光开关;
- 2) 点击打开文档, 选取对应图纸;
- 3) 沿固定夹具放置好手机;
- 4) 启动对焦键Focus, 对焦完成后;
- 5) 调好参数, 打标速度, 功率, 根据手机进行调整;
- 6) 点击红光F1或者键盘F1, 检查红光是否和手机需要标刻位置重合;
- 7) 启动标刻键, 开始标刻; 标刻结束取下手机, 即可拆机。

● **Playing photos: (importing pictures from a U disk)**

- 1) Computer plugged into the power cord, turn on the power switch and turn on the laser (press Laser).
- 2) Import photos onto a USB stick, make sure they are clear and not larger than 1M in size.
- 3) Click on "Document Management", find the picture you need to import, click on "Import", after successful import, close the page;
- 4) Fix the object to be marked (keep the marking position on a horizontal plane), start the focus key Focus, after the focus is completed;
- 5) Find "Photo" in the vertical toolbar, select the photo you just imported and click on it to open it.
- 6) Zoom in on the photo, centre it, then turn on the red light indicator and make sure that the red light is fully displayed, then stop the red light.

- 7) Start adjusting the marking parameters, marking speed, power.
- 8) check "reverse", select "marking mode", select "dot and gray scale".
- 9) check the "two-way scan" check the "dot mode", the value changed to 0.1.
- 10) After the parameters have been changed, click on the marker directly.

● **打照片: (U盘导入图片)**

- 1) 电脑插上电源线, 打开电源开关, 打开激光 (按Laser键);
- 2) 照片导入U盘, 图片要清晰, 图片大小尽量不要大于1M;
- 3) 点击“文档管理”, 找到需要导入的图片, 点击“导入”, 导入成功后, 把页面关闭;
- 4) 固定好需要标刻的物体 (标刻位置保持在一个水平面), 启动对焦键Focus, 对焦完成后;
- 5) 在竖排工具栏里找到“照片”, 选择刚才导入的照片, 点击打开;
- 6) 把照片适当缩小, 居中, 接着, 打开红光指示, 确认红光完全展示出来, 之后停止红光;
- 7) 开始调节打标参数、打标速度、功率;
- 8) 勾选“反转”, 选择“打标模式”, 选择“网点和灰度”;
- 9) 勾选“双向扫描” 勾选“打点模式”, 数值改成0.1;
- 10) 参数更改完成后, 直接点击标刻即可。

● **Typing text**

- 1) Click on the vertical toolbar "T", enter the text you need to type, click "OK" when finished.
- 2) Click on the right side of the screen "F", check Enable, select the filling method Bow, filling is complete.
- 3) Red light preview, adjust power, marking speed, after the parameters are changed, turn on the laser (press Laser) and click directly on the marking.

● **打文字**

- 1) 点击竖排工具栏“T”, 输入需要打的文字, 输入完成后, 点击“OK”;
- 2) 点击画面右边“F”, 勾选 启用, 选择填充方式 弓形, 填充完成;
- 3) 红光预览, 调节功率、打标速度, 参数更改完成后, 打开激光 (按Laser键), 直接点击标刻即可。

● **To create a vector file: (vector files are imported in the same way as pictures)**

- 1) Click on "Vector File" in the vertical toolbar, find the imported vector file, open it, adjust it to the right size and click on "Auto-centre".
- 2) Click on "F" on the right side of the screen, check Enable, select the fill method Bow, fill is complete.
- 3) Red light preview, adjust power, marking speed, after the parameters are changed, turn on the laser (press Laser) and click directly on the marking

● **打矢量文件: (矢量文件导入方式跟图片导入方式一致)**

- 1) 竖排工具栏里点击“矢量文件”, 找到已经导入好的矢量文件, 打开, 调节到合适大小, 点击“自动居中”;
- 2) 点击画面右边“F”, 勾选 启用, 选择填充方式 弓形, 填充完成;
- 3) 红光预览, 调节功率、打标速度, 参数更改完成后, 打开激光 (按Laser键), 直接点击标刻即可。

6.LASER MACHINE FUNCTIONS AND USE

激光机功能及使用

● How to install the automatic centering fixture.

- 1) Place the auto-centering jig horizontally on the laser machine lift table.
- 2) Prepare an Apple mobile phone glass back case.
- 3) Find the drawing corresponding to the phone model in the phone or on an external computer and centre the drawing.
- 4) Place the back case of the mobile phone on the automatic centering jig and click on the centering button to centre the jig.
- 5) click on the laser machine autofocus button to autofocus.
- 6) select the drawing red light alignment, move the centering fixture so that the red light and the back case of the phone are completely overlapped, (the inside of the drawing does not overlap with the phone,dissolve the drawing group first, select the part to be changed, check select processing, red light alignment,move the red light with the arrow keys to make it overlap) fix the fixture.
- 7) Select all drawings, group, fill the drawing and save the drawing.

● 如何安装自动居中夹具

- 1) 将自动居中夹具水平放到激光机升降台上;
- 2) 准备一款苹果手机玻璃后壳;
- 3) 在手机中或外接电脑找到对应手机型号的图纸, 居中图纸;
- 4) 将手机后壳放到自动居中夹具上, 点击居中按键居中夹具;
- 5) 点击激光机自动对焦按键, 自动对焦;
- 6) 选中图纸红光对位, 移动居中夹具, 使红光和手机后壳完全重合, (图纸内部与手机不重合, 先解散图纸群组, 选中要更改部分, 勾选选择加工, 红光对位, 用方向键移动红光, 使其重合) 固定夹具;
- 7) 全选图纸, 群组, 填充图纸, 保存图纸。

● Login settings

The machine is shipped from the factory with the engineer already set to automatically log in to engineer mode at power on.

Engineer: the user uses the laser machine for marking, no changes to the settings can be made

Password: 000000

Administrator: the user uses the laser machine for marking and can change any settings

Password: 111111

Detailed tutorials on how to use the software: Settings - Help - Help Instructions

● 登录设置

机器出厂前, 工程师已经设置好开机自动登录工程师模式;

工程师: 用户使用激光机进行打标, 不可进行更改设置

密码: 000000

管理员: 用户使用激光机进行打标, 可以更改任何设置

密码: 111111

软件详细使用教程: 设置—帮助—帮助说明

7.PRECAUTIONS FOR USING THE LASER MACHINE

使用激光机注意事项

- 1) Before using the laser machine for the first time, please check the voltage switch at the back of the machine: AC110V or AC220V, please use 110V for AC110V and 220V for AC220V, please strictly comply with the regulations!
- 2) Please remove the lens protection cover before use, and cover it again after use to avoid dust, keep the mirror clean to avoid affecting the light!
- 3) Laser screen removal machine use environment to maintain ventilation, the temperature should not exceed 35 degrees, the laser should not continue to work for more than two hours, to avoid the laser temperature is too high, the circuit automatically protect, can not be normal light!
- 4) Do not use the machine to look directly at the white light, to avoid eye damage!
- 5) Machine failure, do not disassemble the treatment, the first time to contact the after-sales service, maintenance under the guidance of the after-sales service!
- 6)Please do not damage accessories by violent collisions during the handling of the laser machine!

- 1) 激光机第一次使用通电前, 请检查机器后面的电压切换开关是: AC110V或是 AC220V, AC110V请使用110V的电压, AC220V请使用220V的电压, 请严格遵守规定使用!
- 2) 使用前请拆下镜头保护盖, 使用完再盖上, 以免进灰尘, 保持镜面干净, 避免影响出光!
- 3) 激光拆屏机使用环境保持通风, 温度不要超过35度, 激光器不要持续工作超过两个小时, 避免激光器温度过高, 电路自动保护, 无法正常出光!
- 4) 机器使用中请勿用眼睛直看白光, 避免对眼睛造成伤害!
- 5) 机器出现故障时, 不要私自拆卸处理, 第一时间联系售后, 在售后指导下进行维护!
- 6) 激光机搬运过程中请勿发生剧烈碰撞, 造成配件损伤!

8.COMMON PROBLEMS AND SOLUTIONS

常见问题及解决方案

Common problems	solutions
The laser does not produce light, leaks light, etc..	① check whether the power supply is normal, 110V or 220V. ② whether the corresponding machine voltage. ③ replace the laser accessories or power supply.
The computer does not boot properly and the following problems occur. a. Go to the loading page or go to the repair page b.The computer light is flashing and cannot be turned on normally c.Computer flickering screen d. The display does not light up	① Check if the power cord is loose ② whether the computer indicator lights blue ③Replace the display or computer
The following problems occur with the board: a.The board driver is missing and the software cannot be found b.The board parameters are missing c.The customer mistakenly deleted the parameters software, can not run	① Check whether the board is normally lit ② board signal cable whether there is loose ③Replug the signal line ④Replace the board
The focal length becomes larger or smaller; the spindle screw is deformed; the machine runs with a strange noise.	Adjust the length of the focal length control rod screw; replace the spindle screw; spray lubricant.
focusing cannot be completed properly, the focus lever does not pop out or does not pop back in, the focus lever cannot complete the automatic alignment. Change of computer system by the customer, deletion of computer backup data.	Please contact customer service.
The cover of the oscillator is not opened; the red light is off-set	Open the cover; adjust the red light offset position inside the software to make the red light and laser coincide.
Fixed bar offset; automatic fixture cannot be synchronised; laser lens not clean, uneven light.	Refix the fixture; replace the fixture; wipe the lens with the lens and a dust-free cloth.

常见问题	解决方案
激光器不出光，漏光等	①检查电源是否正常供电，110V或者220V ②是否对应机器的电压 ③更换激光器配件或者电源
电脑开机不正常，出现以下问题： a.进入加载页面或者进入修复页面 b.电脑指示灯闪烁，无法正常开机 c.电脑闪屏 d.显示屏不亮	①检查电源线是否松动 ②电脑指示灯是否亮蓝灯 ③更换显示屏或者电脑
板卡出现以下问题： a.板卡驱动丢失，无法找到软件 b.板卡参数丢失 c..客户误删参数软件，无法运行	①查看板卡是否正常亮灯 ②板卡信号线是否有松动 ③重新插拔信号线 ④更换板卡
焦距变大或变小；主轴丝杆变形； 机器运行异响	调节焦距控制杆螺丝长度；更换主轴丝杆； 喷润滑油；
对焦无法正常完成，对焦杆弹不出来，或者弹不回去，对焦杆无法完成自动对位；客户改变电脑系统，删除电脑备份资料	请联系客服
没有打开振镜的盖子；红光偏位；	打开盖子；调节软件内部红光偏移位置，使红光和激光重合
固定条偏移；自动夹具无法同步； 激光镜头不干净，打光不均匀	重新固定夹具；更换夹具； 用镜头和无尘布擦拭镜头