Mirror cutting operation instructions

Shenzhen Topwisdom Technology Co., Ltd.

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Technical Support

To get our technical support and after-sale service:

E-mail: topwisdom@126.com

Website: http://www.topwisdom.com.cn

QQ Group:

Versions

Version No.	Revision Record
V1.0	Initial.

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1 Convention

Convention 1: Mirror cutting is only suitable for double-head mutual-moving models, which can meet the processing of some products such as lace, shoe uppers, gloves, etc., which can effectively improve work efficiency and meet production needs.

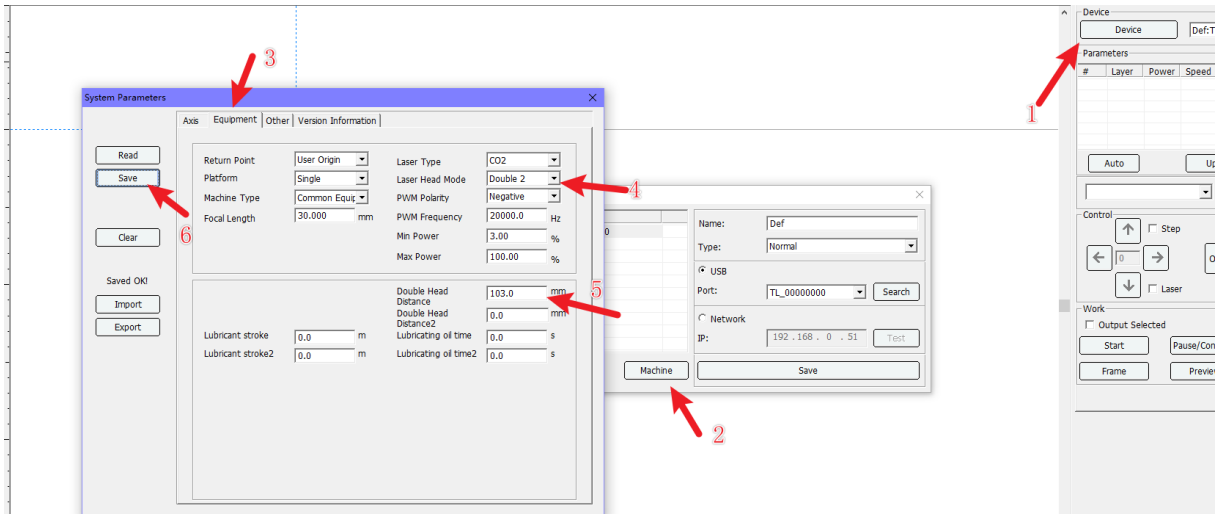
Convention 2: The manual is described with the TL-A4 motherboard. If the TL-A4 motherboard is in the intelligent double-head 2 type (multi-belt, double-heads move each other, the second head (Z-axis) moves independently, not dragged by the X-axis. When moving), the Z axis is used as the mutual shift axis of the second head. TL-403CB/410C adopts V-axis as mutual shift axis.

2 Precautions

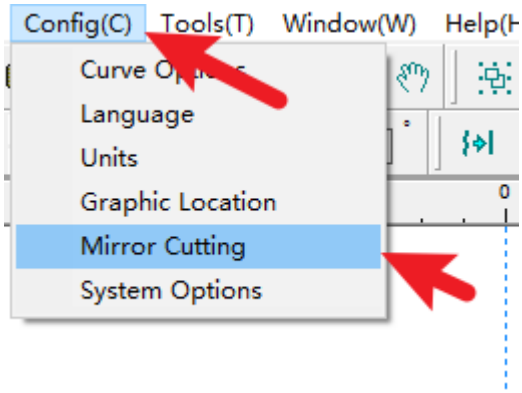
1. The figure to be cut is completely symmetrical.
2. The machine type can only be intelligent double-head 2 (multi-belt, double-head mutual shift).
3. The X-axis and Z-axis resolutions must be set to be the same. **If not, you need to adjust the drive subdivision and set the XZ resolution to be consistent. Otherwise, there will be a problem of inconsistency in the size of the two head cuts.**
4. The size of the cut pattern is larger than the double-head spacing.

3 Operating Procedures

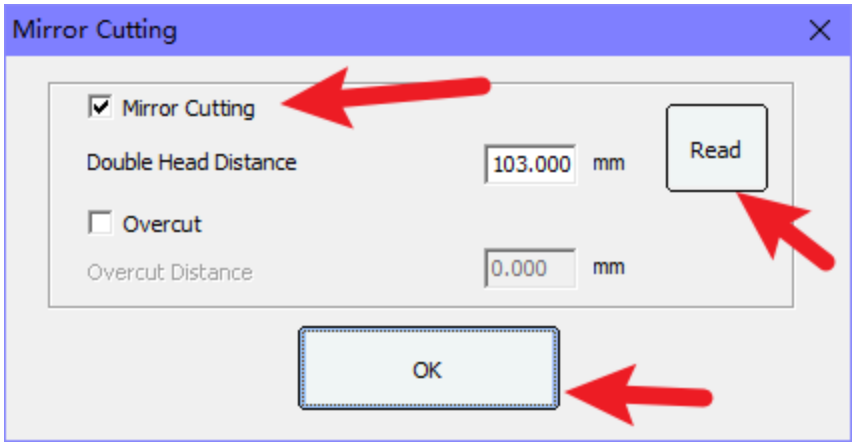
Open the software and click the Device to enter the machine parameters, select the device parameters, set the laser head mode to intelligent double head 2, and set the minimum distance between the double heads (the distance between the laser heads X and Z). Then save the parameters, as shown in the figure so:



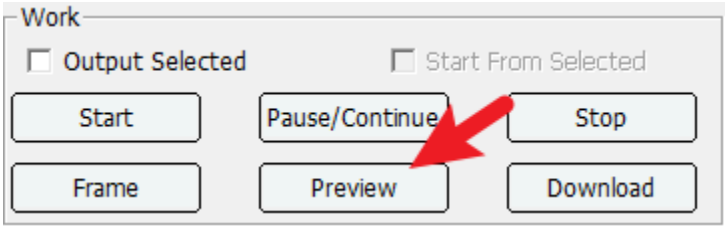
Import the graphics to be cut, enter the configuration in the menu bar, and select Mirror Cut. As shown in the figure:



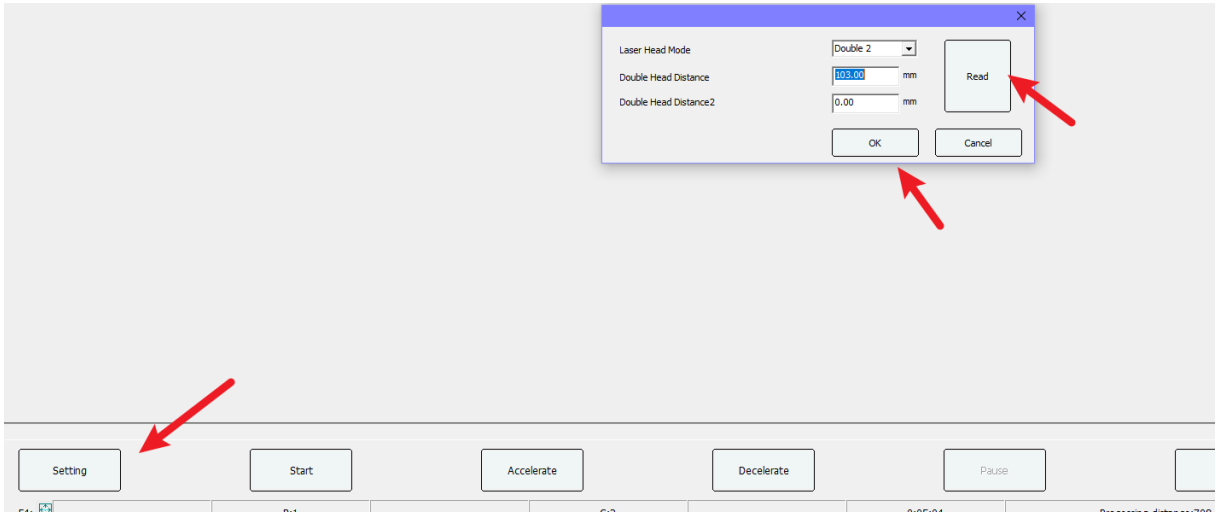
Check the mirror cut and click "Read" the double head distance when the communication connection of the control card is successful. If you want to "overcut", you can set the overcut distance after checking, and then confirm.



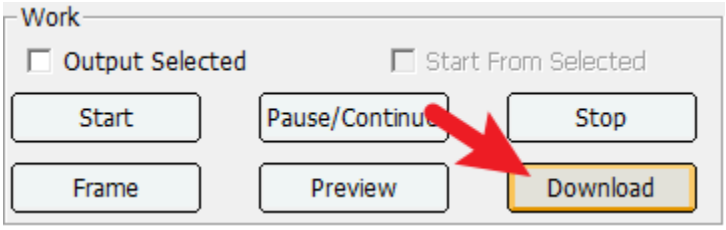
Click the preview in the lower right corner to check whether the running track is correct.



In the preview, read the parameters and display it as smart double head 2, in order to correctly preview the mirror cutting graphics



Finally, click to download to the motion control card for cutting.



4 Frequently Asked Questions

1: The two heads are not separated or moved to each other?

Answer: In the case of the correct laser head type, the size and spacing of the inspection graphics must be greater than or equal to the minimum double-head spacing.

2: The distance traveled by laser head 1 is short, and the distance traveled by laser head 2 is long?

Answer: In mirror cutting, the resolution of X-axis and Z-axis must be the same, and the resolution can be achieved by adjusting the driver subdivision.