

HSG-X System



Full touch screen

Frequently used button could be seen from console with convenient operation.

Main electrical board is completely sealed and hot air isolation is separated

Large area aluminum colling fin with stable dissipation.

Intelligent remote-control

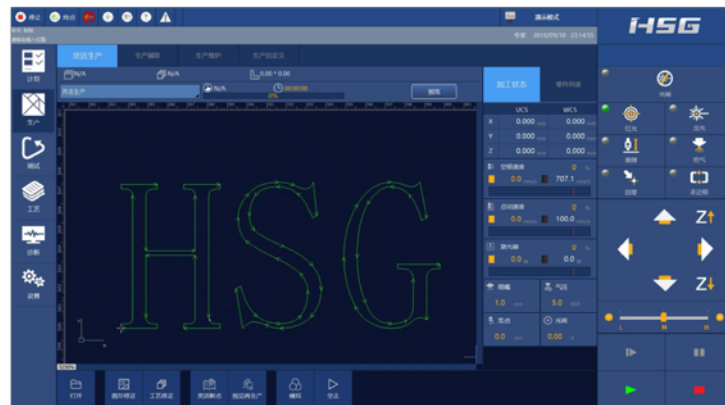
Both language and related function icon could be seen from remote-control panel.

All moving function shall be press Fn to prevent from wrong operation except jog.



HSG-X System

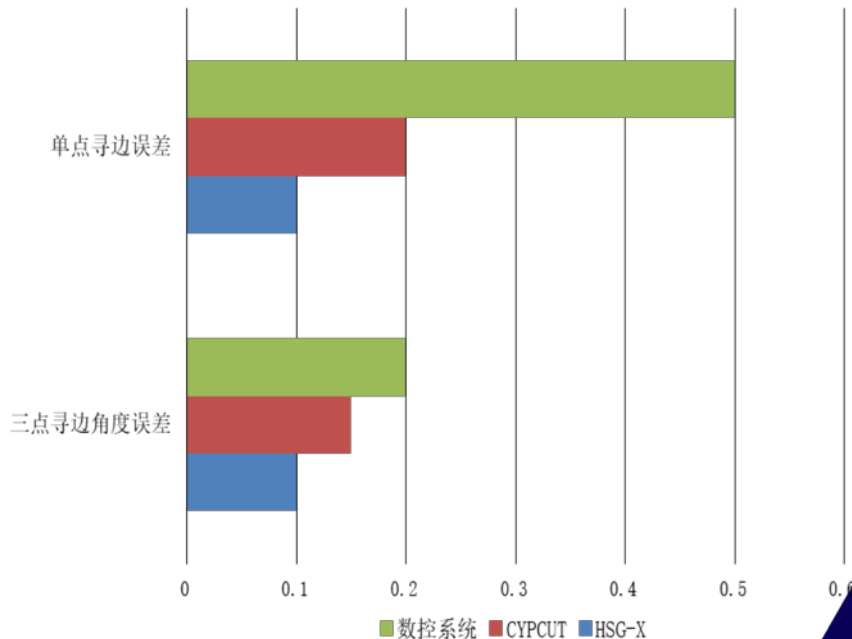
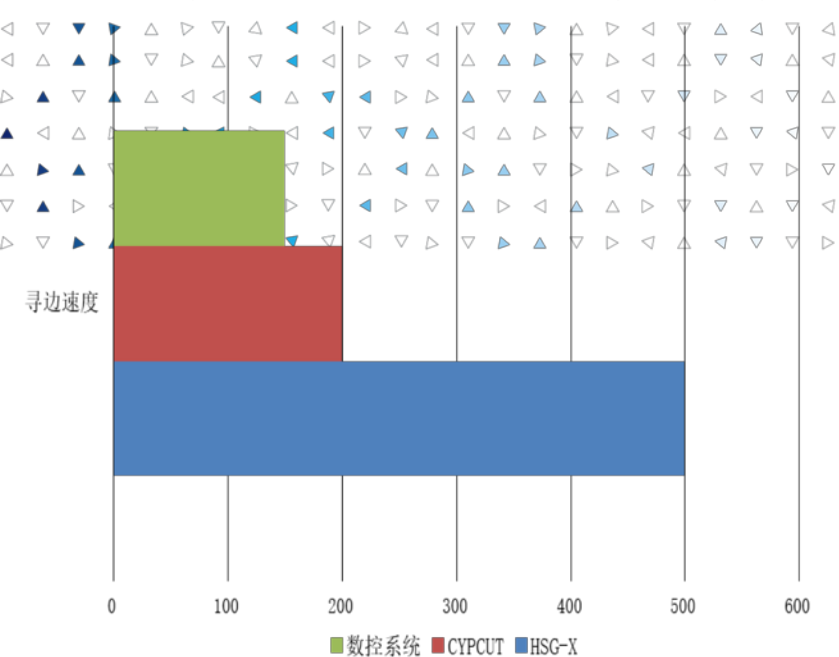
Adopting EtherCAT Bus protocol and German ISG underlying algorithm(One of the best algorithm from Germany in the laser cutting industry), the HSG-X system is secondly developed by our engineer independently.



寻边速度

Safer moving

100mm/s寻边误差

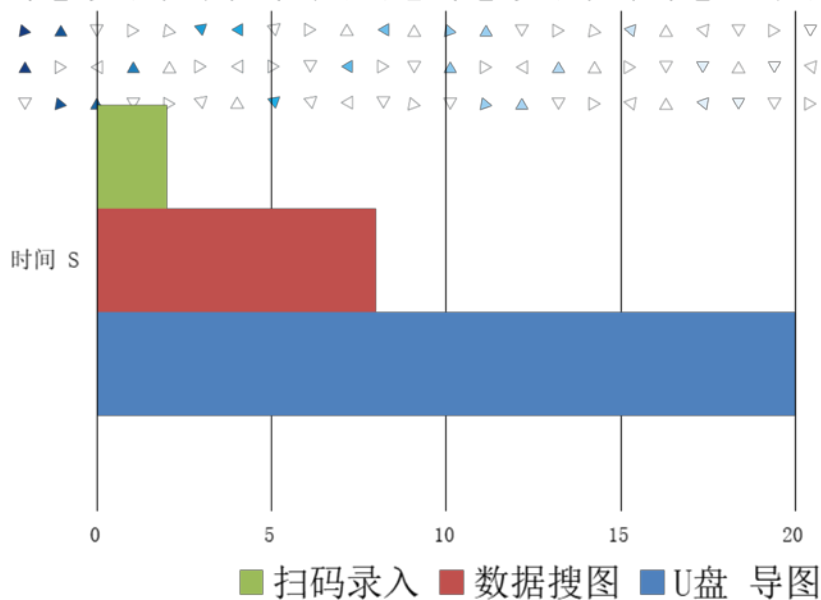


Intelligent detection of the following object model under the cutting head

If the first point is out of sheet plate, the head falling and hitting rate is 2%. 0.01% falling and hitting rate for second and third point. In another word, we only make sure there is one point is within cutting area.

More efficient production

读图速度



3 different way to read the file including QR code scanning, data searching, flash memory/u disk as seen from left side. The previous 2 is much shorter.

Prevent from wrong file reading.

Together with CypNest remote notification, there will be better performance.

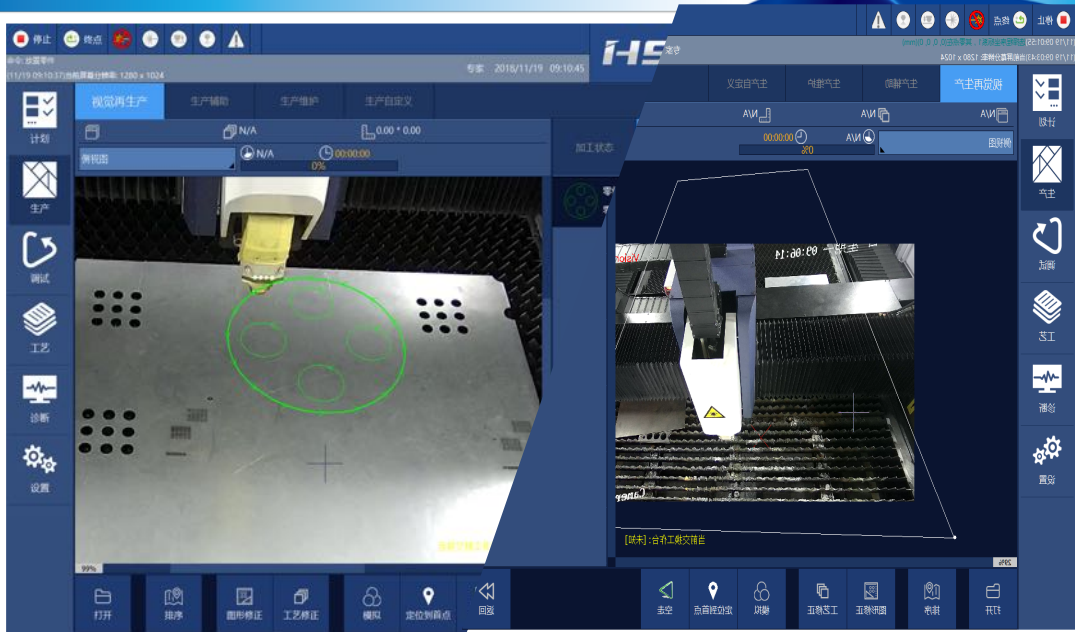
More efficient production

名称	修改日期	类型	大小
7DBI副线——c-800-2500-7-n-g04...	2015/1/9/周五 1...	DWG 文件	207 KB
7DBI副线——c-800-2500-7-n-g04...	2015/1/9/周五 1...	DXF 文件	136 KB
8MM厚不锈钢板	2017/1/15/周日 ...	DXF 文件	202 KB
10MM厚碳钢板	2017/1/15/周日 ...	DXF 文件	219 KB
16MM厚碳钢板	2017/1/15/周日 ...	DXF 文件	202 KB
20141030大岭山-2(1)	2015/6/24/周三 ...	DXF 文件	188 KB
C0015720-A	2015/1/14/周三 ...	DXF 文件	63 KB
C0015743-A	2015/1/14/周三 ...	DXF 文件	59 KB
Drawing1	2016/3/5/周六 9...	DXF 文件	80 KB
Drawing11	2015/1/9/周五 2...	DXF 文件	47 KB
Drawing111	2015/1/9/周五 2...	DXF 文件	46 KB
Drawing1111	2015/1/9/周五 2...	DXF 文件	46 KB
J-15005	2015/7/7/周二 1...	DWG 文件	64 KB
M3015B.50-49T丝杆护套固定座左(展开...	2015/1/17/周六 ...	DXF 文件	587 KB
M3015C.10-21A 前抽风板	2015/1/12/周一 ...	DWG 文件	312 KB
M3015C.10-22A 中抽风板	2015/1/12/周一 ...	DWG 文件	311 KB
M3015C.10-23A 后抽风板	2015/1/12/周一 ...	DWG 文件	311 KB
R30A.53-58T1波纹管撑板 R30	2016/3/5/周六 9...	DXF 文件	25 KB
R30A.53-58T1波纹管撑板	2016/3/5/周六 9...	DXF 文件	65 KB
r175 镂空	2016/5/12/周四 ...	DXF 文件	850 KB
S150 032 rev3	2015/9/15/周二 ...	DXF 文件	285 KB
t	2015/7/23/周四 ...	DXF 文件	570 KB
TEST CUT 2MM STAINLESS MARK GL...	2015/8/8/周六 9...	DXF 文件	612 KB
TP60.12-23T切割头转接板	2016/3/23/周三 ...	DWG 文件	353 KB
Trial Laser Cutting	2014/12/13/周六...	DXF 文件	413 KB
W013722	2015/1/31/周六 ...	DWG 文件	432 KB
八双翅膀没图片版本	2017/1/6/周五 8...	DXF 文件	649 KB
虎座封板	2017/2/25/周六 ...	DXF 文件	197 KB
工程图	2015/9/8/周二 2...	DWG 文件	311 KB

Search one by one same as left side is not guaranteed while QR code scanning will make sure there is nothing wrong which is fast, accurate and convenient.



More material saving

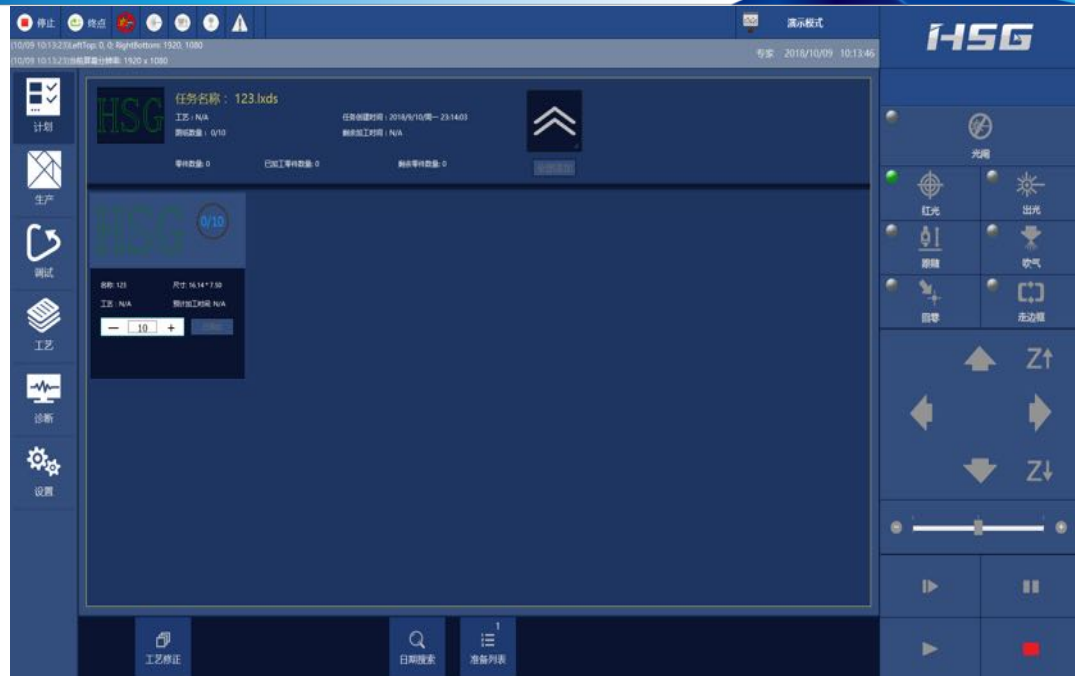


Compared to traditional measuring by hand and drawing from CAD/CAM software, 30% efficiency will be improved.

Creat ramnant with CypNest, it could do nesting for lefting sheet.

With visual tailing, we could take photos for processing the tailings without hand measuring.

Easier operation

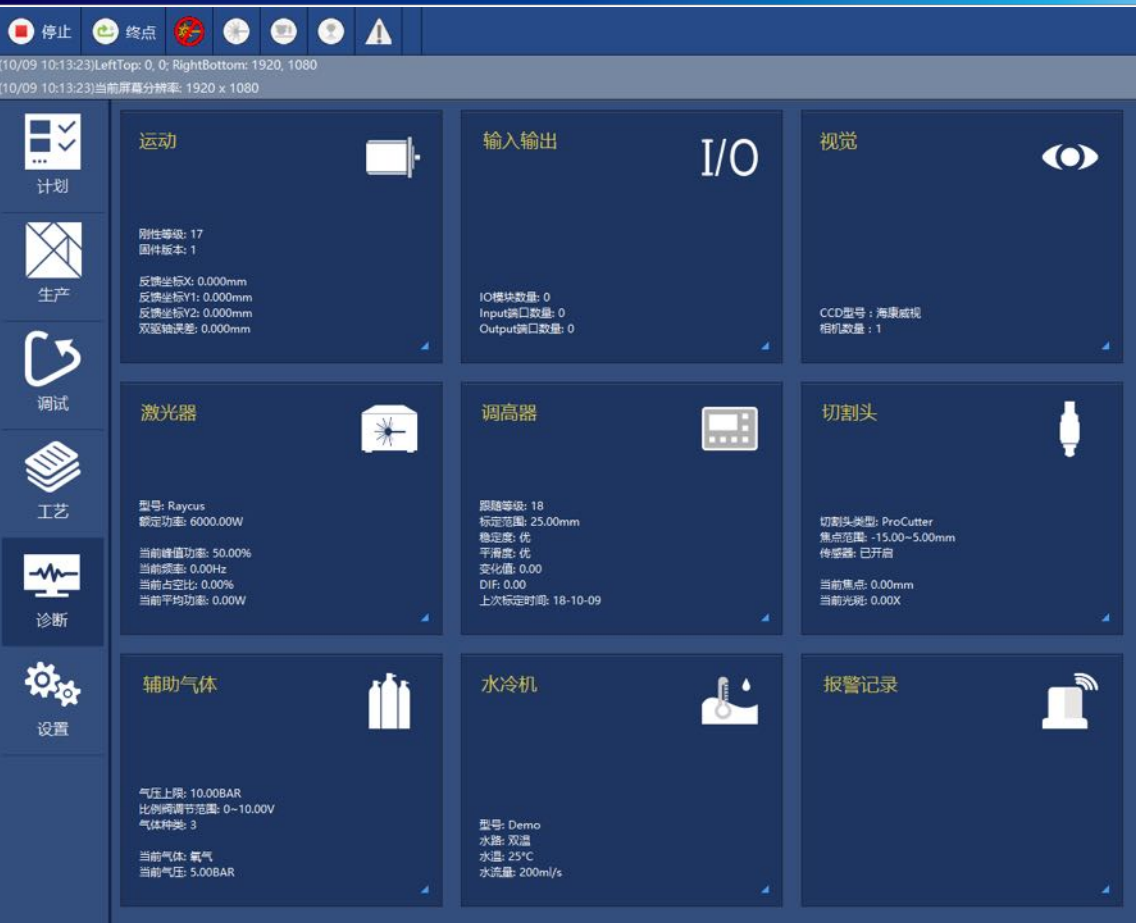


It could realize bulk processing with semi-automation assistance.

With the help of CypNest, we could automatically do production plan, management, shift production efficiency.

Applicable for multi-varieties and small batch processing.

Compatible with DXF file import and process directly.



Faster diagnosis

Integrated diagnosis

Convenient problem checking

More intelligent

More intelligent application

Full detailed data base with one key import

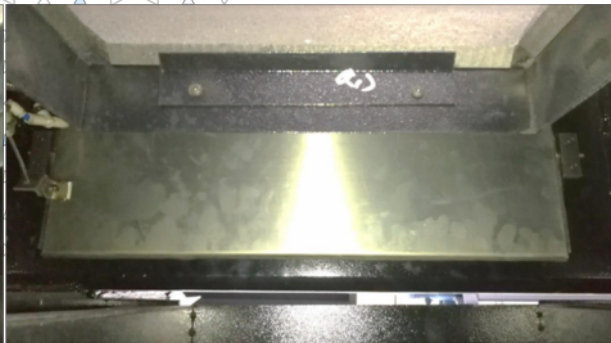
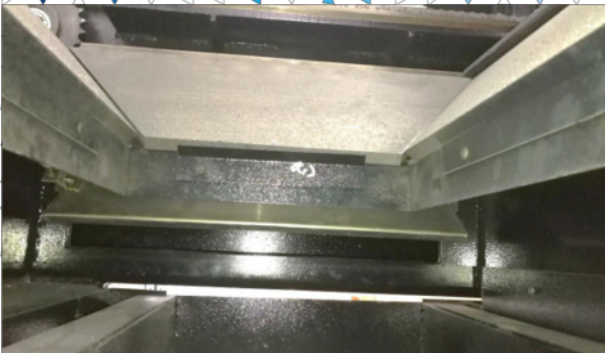
The screenshot displays the HSG software interface, which is used for managing laser cutting data. The interface is divided into several sections:

- Top Bar:** Includes a status bar with "演示模式" (Demo Mode) and a timestamp "2018/10/09 10:16:30".
- Left Sidebar:** Contains navigation icons for "计划" (Plan), "生产" (Production), "调试" (Debug), "工艺" (Process), "诊断" (Diagnosis), and "设置" (Settings).
- Main Table:** A table listing various laser cutting jobs with columns for "序号" (Serial Number), "文件名" (File Name), and "备注" (Remarks). The table contains 14 rows of data, including parameters like material type, thickness, and cutting speed.
- Right Panel:** A control panel with buttons for "光路" (Optical Path), "红光" (Red Light), "出光" (Output Light), "原速" (Original Speed), "吹气" (Blow Gas), "回零" (Return to Zero), and "走边框" (Walk Edge). It also features a "Z" axis control with up/down arrows and a "Z↑" button.
- Bottom Panel:** A section for "导入" (Import), "材料管理" (Material Management), "删除" (Delete), and "备份" (Backup). It includes a list of materials and their corresponding parameters.



Graphite burning-resistant

20mm thick graphite is used for falling hopper, waste collection and machine frame to prevent from damage.



Separated exhasting

Full enclosure design

Small area multi-partition ventilation, rotary butterfly valve type partition wind door, chase diameter exhaust pipe, good ventilation effect, smoke exhausting effect is excellent.

Opening and closing of ultra-low noise due to windshield design.



Dual-motor shuttle pallet

2 table move independently without interference but accurate positioning and easy to clean residue.

Interlocked protection for each table. There is only 1 table in working area for safety.

Hexagon rail in each side for stable running.



THANK YOU

