



 **SYNTEC**

**SYNTEC LASER  
MARKING  
CONTROLLER**

# Laser Marking System



## Software Feature

### 01 Automation Application

- Offer secondary development tool. Create brand features.
- Built-in PLC, suitable for automation applications.



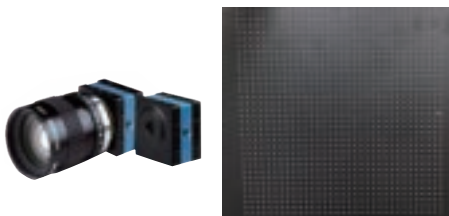
### 02 Motion Control Expert

- Easily integrates axial control base on CNC motion.



### 03 Visual distortion correction

- Equipped with a vision device to automatically complete distortion correction and improve processing accuracy.



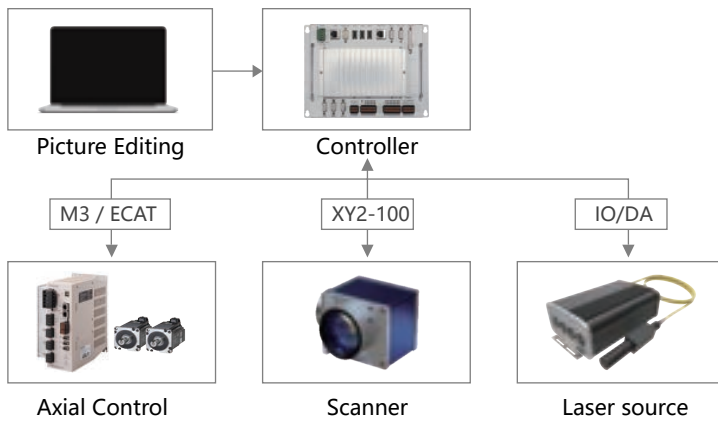
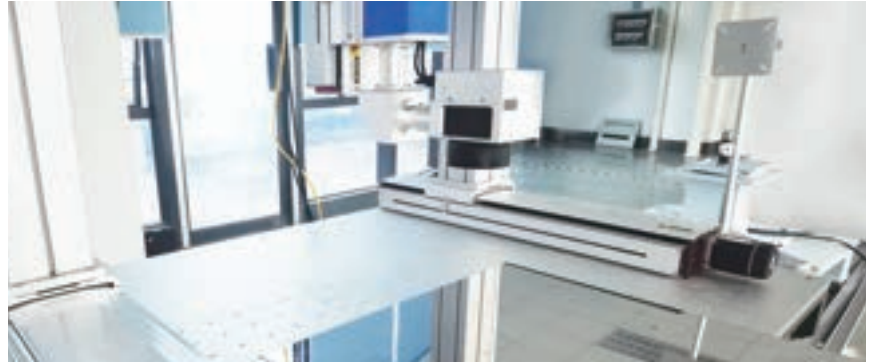
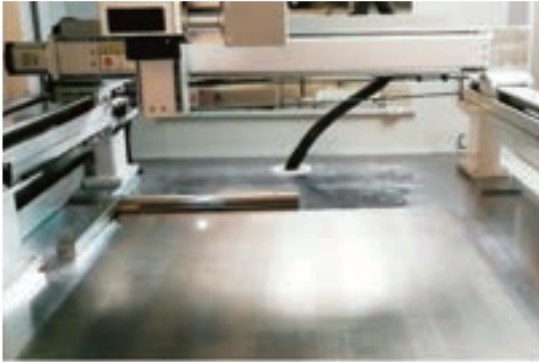
### 04 Easy Connect

- Connect with other device, such as robot and CNC.
- Offer cloud service.



# Large Area Synchronous Laser Marking

Laser marking system could expand working area through synchronously controlling scanner and mechanical axes when workpiece is larger than scan area.



- Marking region is unlimited because of synchronous control axes and galvo scanner. Solve large area marking problem.
- Provide laser energy control function. Solve large laser energy at corner, start point and end point.
- Offer connection blur function, lower difficulties to adjust stitching errors.
- Offer total solution by combining motion, galvo scanner and laser control.

## Garnish Trim



## Glass Film Remover



## Metal Nameplate



## Fabric Cutting



## Metal Trim / Elevator Doors



## Ruler





# Automatic Applications

- Customization- Offer specialized layout and process.
- Vision- Positioning and scanning code.
- Expandable- Support axial controlling, IO module.
- Built-in PLC- Reduce cost.
- Communication- Connect with other device and upload information to cloud.



## Motor Rotor Auto Serial Number

- Stable and make information steam!
- Total solution: mark+barcode read and check+report
- Specialized interface, fool-proof design

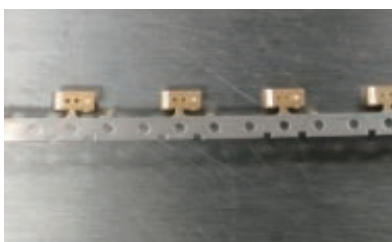


## Glass Drilling

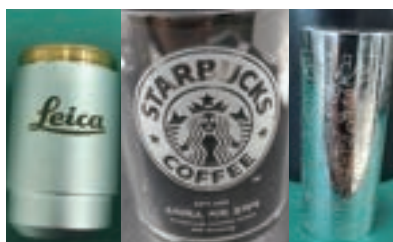
- Z-axis simultaneous drilling
- Improves processing efficiency
- All shaped holes are compatible
- Over-scanner-range hole solution
- Equipped with additional axis to load



## Metal Removal



## Rotation marking



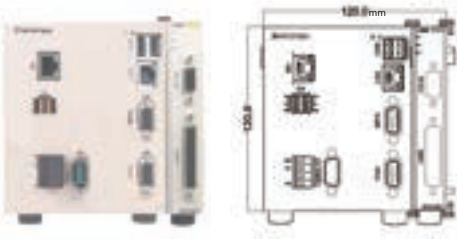
## Wire Marking





## 710SA Controller

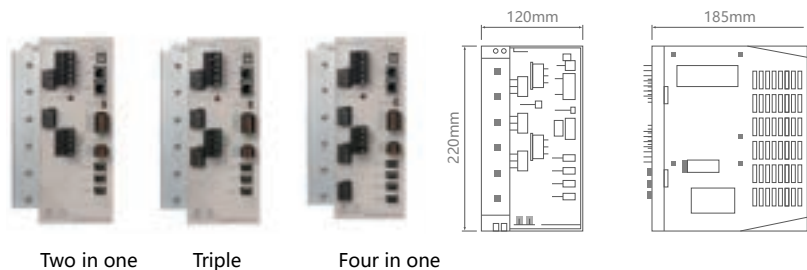
## 730SA Controller



Specification	710SA	730SA
Interface Signals	XY2-100	
Laser Source Interface	25 PIN DSUB	
IO (Std. /Max)	- / 4096I 4096O	16I 12O / 4096I 4096O
Axial Control (Std. /Max)	2 / 5	1 / 5
Servo Interface	M3 / EtherCAT	
DA/AD	2DA	3DA / 4AD
Input Voltage	24V 1A	
USB	2	3
Data Sharing Interface	LAN, USB, RS485	

## Series Servo Driver

1



Specification	SMD-22B	SMD-23B	SMD-24B
Axial Control	2	3	4
Support Encoder Model	Nikon·Tamagawa·Sankyo·Panasonic·Hiwin		
I/O Extension	21 / 20		
Servo Communication	M3 / EtherCAT		
Input Voltage	220V		

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