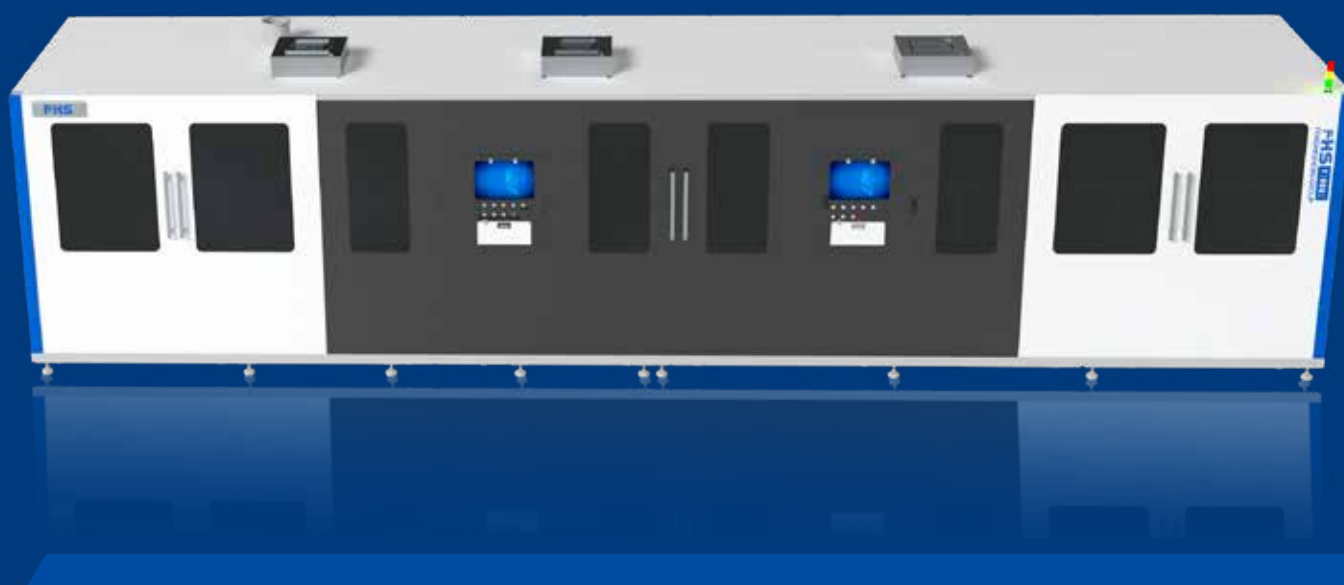


Professional R&d / Highly Efficient / Low Failure Rate



## HIGH SPEED LASER CUTTING AND ELECTRODE PRODUCTION MACHINE

## PRODUCT INTRODUCTION

The equipment is mainly used for tab die-cutting and slicing of coiled electrode (continuously coated electrode). The equipment is comprised of unwinding module, correction module, tape receiving module, reinforcing rib module, process correction, laser die-cutting, traction module, air knife dust removal, caching module, V-angle cutting module, double cutter slicing module, CCD detection module, electrode collection module, etc.

### Equipment technical parameters

- Equipment operating speed:  $\geq 500$ PPM;
- Equipment production qualification rate:  $\geq 99.5\%$  (only referring to failures due to equipment causes)
- Equipment failure rate:  $\leq 2\%$  (referring to failures due to equipment causes, excluding regular equipment maintenance, pre-production preparation, etc)
- Equipment size (mm): 11000 \* 2300 \* 2500 (L\*W\*H)

### Specifications of Equipment

Specification				
SN	Item	Parameter	Unit	Remarks
1	Electrode width	$\leq 600$	mm	
2	Coiling diameter	$\leq \varnothing 1000$	mm	
3	Weight	$\leq 800$	kg	
4	Inner diameter of the coiling block	7.87	Inch	

Process				
SN	Item	Parameter	Unit	Remarks
1	Equipment dimensions	11000*2300*2500	mm	
2	Speed	$\geq 500$	PPM	
3	Yield	$\geq 99.8$	%	
4	Failure rate	$\leq 2$	%	

Output				
SN	Item	Parameter	Unit	Remarks
1	Tab precision	$\pm 0.2$	mm	
2	Electrode width precision	$\leq \pm 0.3$	PPM	
3	Burrs cutting	Tab burrs cutting by lasers $\leq 15$ , burrs cutting by cutting knives $\leq 7$ ;	%	
4	Electrode plate width	Electrode plate width	%	