

$\geq 3.5\text{m/s}$

Winding speed



Product Overview

- This equipment is mainly used for the automatic winding of prismatic EV cells
- Main functions: active unwinding, automatic reel change, servo closed-loop low tension measurement and control system, EPC, snake-shaped deviation correction, linear correction of feeding clamping, FFU and dust removal system, electrode protection gluing, automatic removal of incoming defects, tab folding detection, online detection of electrode defects, online detection of CCD alignment, cell clamping and unloading, pre-pressing and cold pressing, code scanning weighing and data tracing system

Product Features

- With the patent of independent polygonal winding pin, which can realize circular winding
- With multi-level high-accuracy correction system; accurately detects the alignment of the opposite side through CCD, which can better achieve the alignment control between the electrode and the separator, reduce the overhang defect, and improve the yield rate

Product Parameters

Overall dimension	L: 6200mm W: 2600mm H: 2610mm
Qualification rate	$\geq 99\%$
Utilization rate	$\geq 98\%$
Winding speed	$\geq 3.5\text{m/s}$
Tension fluctuation	$\leq \pm 5\%$ electrode $\leq \pm 2\%$ separator
PPM	PPM ≥ 10 (Designed capacity PPM ≥ 20)
Alignment control	$\leq \pm 0.3\text{mm}$