

XY Power's Y-Shape Production Line

Simultaneous processing of component soldering to gel filling ensures efficiency and reliability in handling both upper and lower structures of module boards.

Boasting a high automation level exceeding 90%, with MES traceability integrated across all key processes.

In English, "y" is the 25th letter of the alphabet.
In math, "y" is an unknown number.
In science, "y" is different scientific concepts.
In economics, "y" is different economic indicators.
In chemistry, "y" is the ductile rare-earth metal element yttrium.
In production lines, "y" is the customized production line of XY Power.



Y-shape Production line

Simultaneous processing of the upper and lower structures of module boards enhances efficiency, with a single production line capable of outputting **14,000** modules per month.



More Efficient

Concentrating critical processes on a single production line minimizes movement, leading to a process reliability enhancement of over **40%**.



Soldering



AOI Test



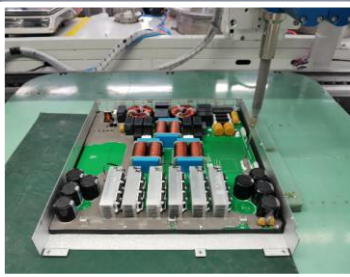
FCT Test



Tri-proof Coating



**Coating Baking
Glue Dispensing**



**Single Board
Assembly**



Gel Filling



Gel Baking

More Reliable

Every module undergoes a batch-specific **48-4 hours** of gradient aging in a sealed aging chamber at **50°C** before delivery, guaranteeing consistent and reliable quality.



High Quality