

Industry Solutions: Solar Technology

Wire Spooling and Flattening Systems for Solar Cell and Solar Module Manufacturing



Showmark wire spooling and flattening systems can be an integral component in the production of a variety of types of solar cells and solar panels. Our standard and custom respoolers combined with our precision flatteners produce PV Ribbon Wire for tabbing and stringing operations. We have also provided custom winding solutions for technologies such as String Ribbon and conventional crystalline cell production.



Flattening Mills and Flattening Systems

Showmark's precision wire flattening mill was originally designed for producing tabbing or interconnect wire. It flattens wire with a tolerance to within +/- 2 microns. It features carbide flattening rolls that can be easily adjusted for different wire thicknesses. A precision gage indicating the roll gap is included for assisting in the setup. The mill can be provided as a standalone bench top unit with a complete drive system, or it can be incorporated by Showmark into a fully integrated flattening, and respooling system.



CE version of wire flattening mill includes interlocked safety guards

This is a customized copper wire flattening, solder coating, and respooling machine for producing solar module tabbing wire. This system includes a Showmark designed precision flattening mill with carbide rolls.

