



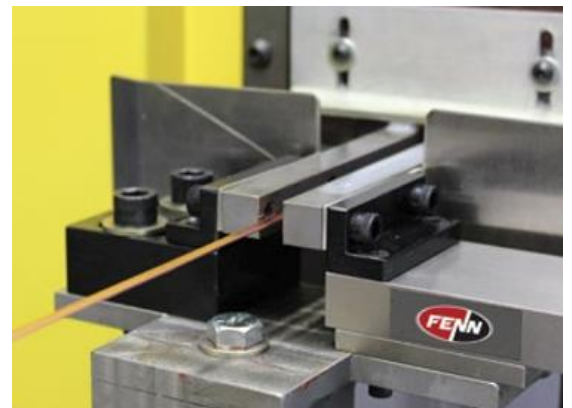
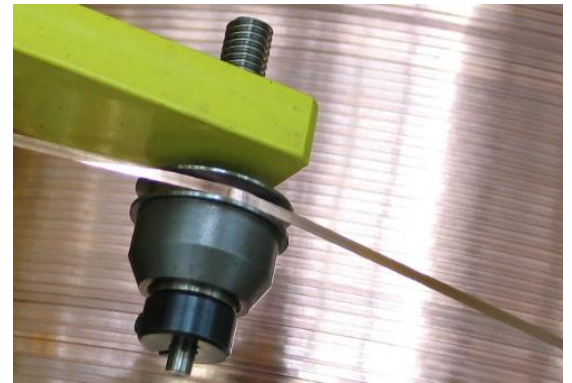
# PV Ribbon & Busbar Equipment

*Providing Customized Machinery for the Solar Industry*

*Leaders in Generating Precise Dimensions at High Speeds*

***Let us help your company become a leader in the production of PV Ribbons and Busbars for the solar industry***

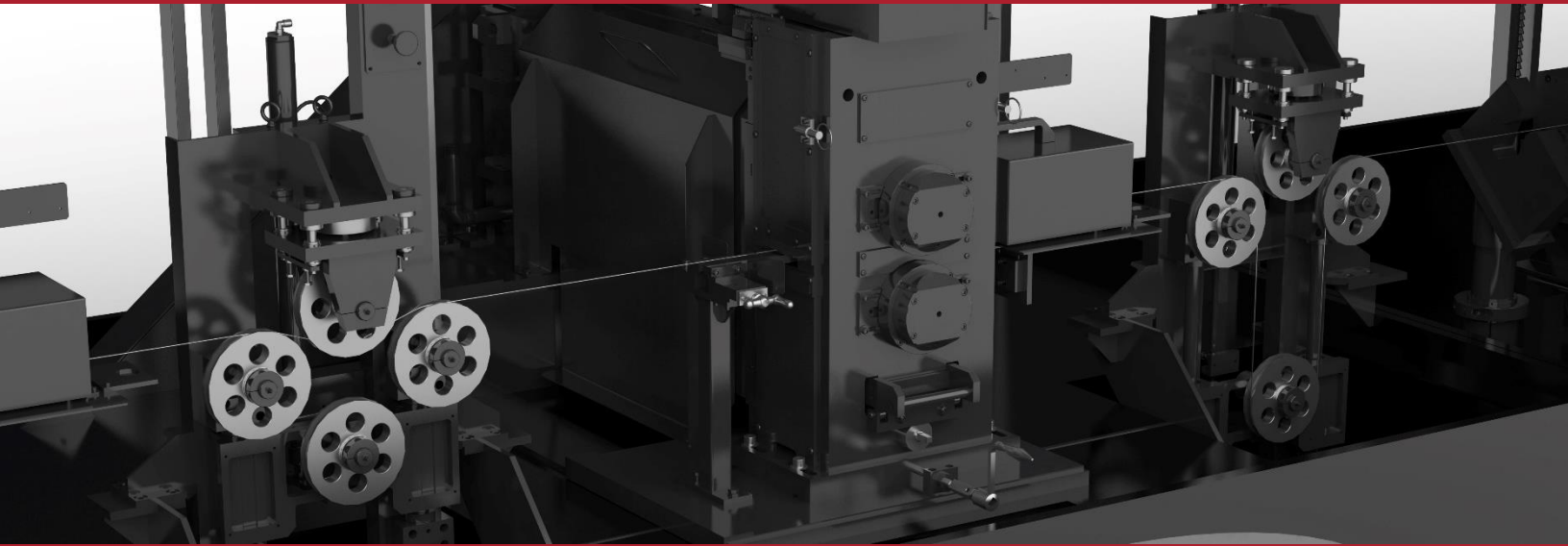
- With over 115 years in the industry, FENN maintains the expertise to develop the proper arrangement of equipment designed to achieve your production requirements
- At speeds of up to 800 MPM, you can achieve high levels of output with minimal workforce
- FENN's wire flattening lines have a robust construction, ensuring longevity of your machine with minimal maintenance and downtime
- FENN machines deliver consistent, reliable results- your wire will be produced to your specified width, thickness and quality requirements
- Technical support, service and training available to ensure your equipment produces to its fullest potential





# PV Ribbon and Busbars

*Let us help you produce your own PV Ribbon for the solar industry at 800 MPM!*



## Machine Specifications

### Typical Interconnect Ribbon Range:

Thickness 0.1 mm- 0.3 mm  
Width 0.8 mm- 3.0 mm

### Typical Busbar Range:

Thickness .02 mm-0.06 mm  
Width 3.0 mm-7.0 mm

### Typical Tolerances:

Thickness +/- 0.005 mm  
Width +/- 0.07 mm

## Main Features

- Labor efficiency: An operator & assistant can easily run two lines set up in opposite directions
- Driven spool payoff
- Multi-stand mill
- Motorized screw down
- Precision tension control and speed synchronization
- Remote diagnosis feature
- Air conditioned control cabinet
- External and internal cooling of rolls
- Recirculating coolant system
- Independent lateral movement of stands (offers full utility of roll face width against wear)
- Servo-controlled traversing spool take-up with servo controlled wire guide for precision winding
- AC Vector variable speed drive system
- Automatic thickness gauge control (AGC)
- Air actuated lift platforms for ease of spool changeover at Pay-Off & Take-Up
- Optional SPC package

Rolling Mills • Wire Flattening & Shaping Lines • Turks Heads • Torin Spring Coilers  
Drawbenches • Swagers • Spare Parts • PM Programs • Upgrade & Remanufacture

[www.fenn-torin.com](http://www.fenn-torin.com)

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