



RIMAS

SOLAR
PRODUCTION SYSTEMS



6.

Side equipment

RIMAS side equipment completes the module manufacturing line. RIMAS offers smart solutions to improve line yield, to reduce the operator costs and to assure a more constant product quality

Examples of side equipment are **RIBBON CUTTING AND BENDING**, silicon dispensing and label printing

Besides this RIMAS develops custom solutions to customer requirements

RIBBON CUTTING & BENDING



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RIBBON CUTTING

The ribbon cutter cuts the ribbons in the required lengths. This ensures a higher and much more stable output than manual cutting. This saves operator hours and improves quality.

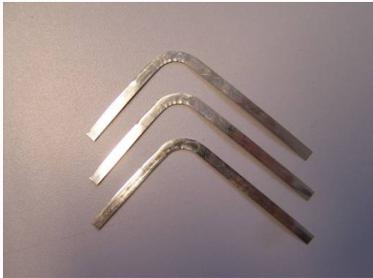
The solutions consist of a band dispenser, a band straightener, a cutting machine and optional a wire stacker.

POWER

1 x 220V AC

RIBBON BENDING

Ribbons, cut to length, can be bended in the production. Samples made on a soft tool are on the photo's below.

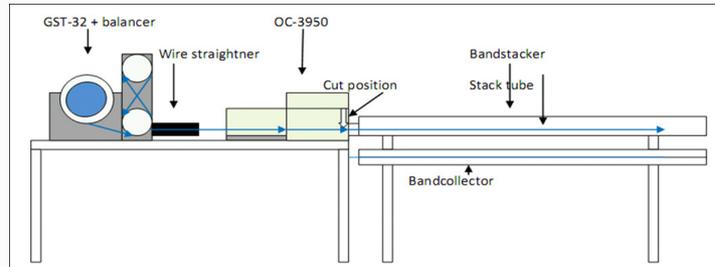


Perfectly bended ribbons

The bending is semi-automatic and takes approx 15 seconds per ribbon. The length of the short side can easily be altered, minimum 75mm and maximum 150mm. It is possible to have a tool for different ribbon thicknesses.

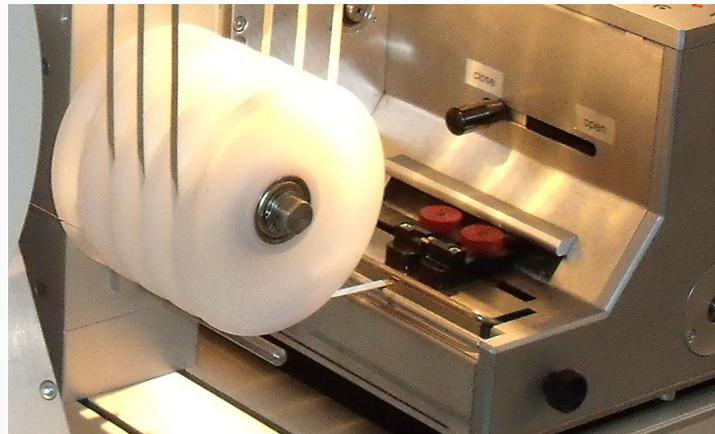


Bending equipment close to the production line



Ribbon Cutter layout

The band is being unwinded, the balancer ensures the constant force that is needed for the cutter. The wire straightner takes the tension out, the ribbon is straight, in two axes. Different lengths can be set in the cutter. As an alternative an external encoder can be used. With the external encoder the tolerance in length is less than 1%. The band stacker/collector is an option, it is advised for long ribbons.



GST32 + balancer + OC3950 cutter

When the equipment is mounted on the table, the ribbon cutting can be used as a standalone unit. It can be located close to any production line.

CAPACITY

The capacity is 30 ribbons with a 300mm length per minute. The straightner needs time to straighten the material. This determines the capacity. When a stacker is used, deduct approx. 30%



**FULL
TURN KEY
MODULE LINES
5-50 MW**

