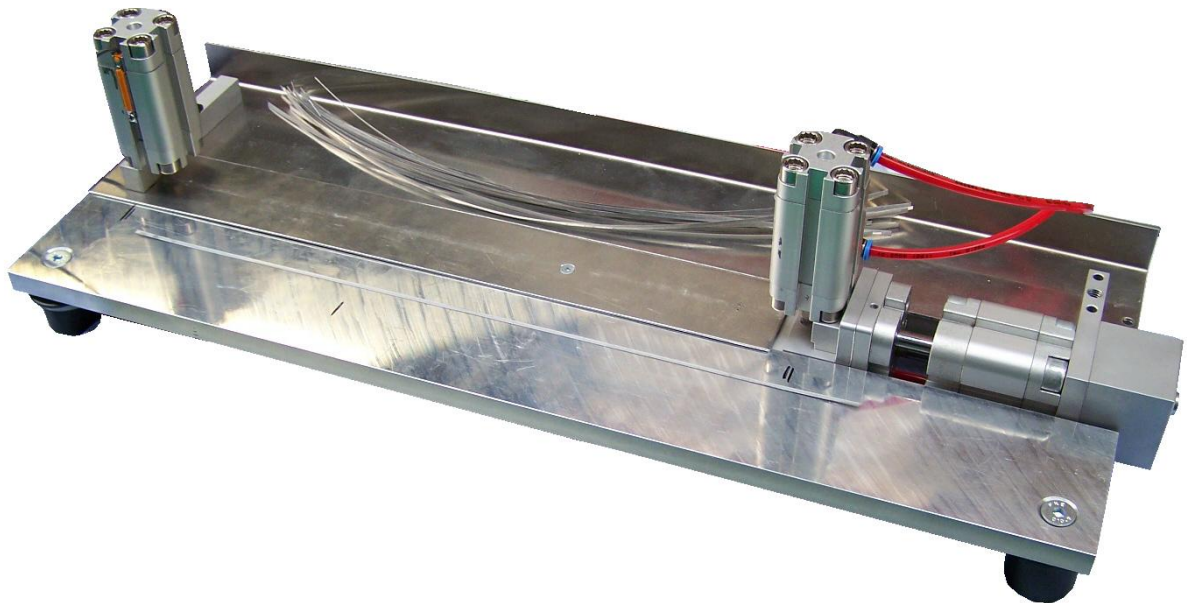


## *Stretching device for cell connectors (PV ribbons)*



- *easy handling*
- *good alignment*
- *high efficiency*

## Stretching of PV ribbons

For a good cell connection, the cell connectors (ribbons) have to be stretched. The mechanical elongation decreases the thermal elongation during soldering caused by heating and cooling. This also reduces mechanical stress between the cell and the cell connectors.

Also, stretching the ribbons makes the handling of the ribbons easy because the ribbons are well-aligned.

Two pneumatic cylinders fix the ends of the ribbon and stretch it by a relative movement. This allows a defined stretching of the ribbons (force control or length control).

The standard version with length control is used for 156 mm cells, i.e. the cell connectors have a length of about 300 mm. Other lengths are available.

Optionally, the stretching is not against a fixed stop. By using a spring element the force can be adjusted.

### Technical Data

|                                |                     |
|--------------------------------|---------------------|
| Ribbon length:                 | approx 300 mm       |
| Length of stretching           | 2-10 mm, adjustable |
| Max. power stretching cylinder | 150 N               |

|               |   |
|---------------|---|
| Dimensions:   | 465 x 170 x 100 mm                        |
| Weight:       | 3,3 kg                                    |
| Power supply: | Air pressure 5-6 bar<br>Power 230 V, 10 W |

