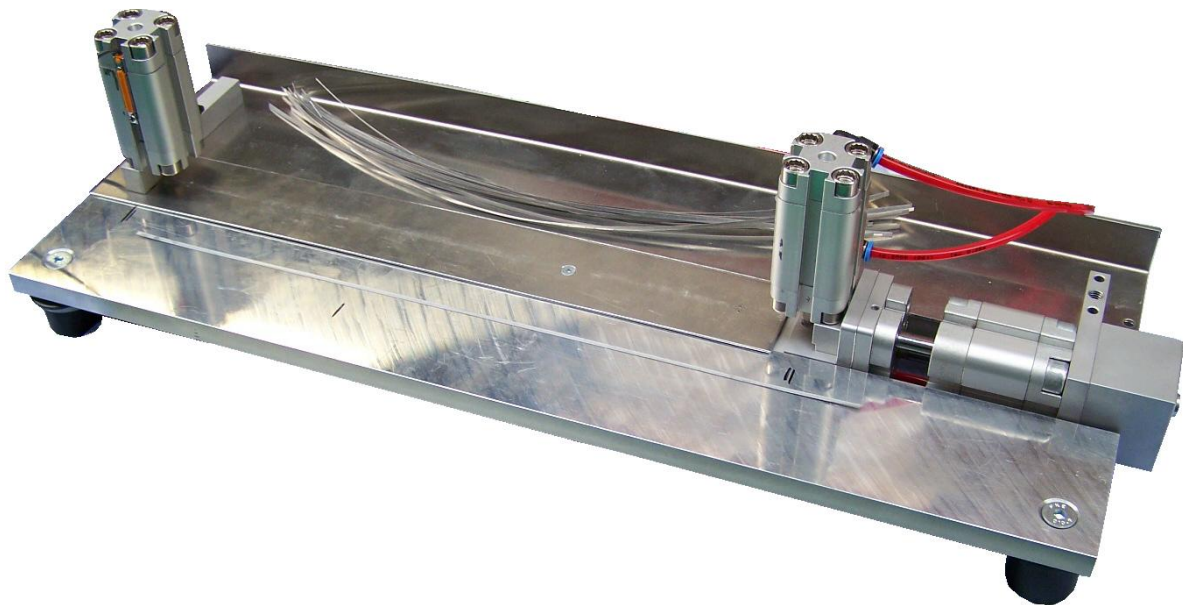


# Stretching Unit for Cell Connectors (BusBars)



## Stretching of PV Ribbons

For a good cell contacting, the cell connectors / Ribbons have to be stretched. The mechanical elongation decreases the thermal elongation during soldering because of heating and cooling. So mechanical stresses between the cell and cell connectors are reduced also.

Also stretching the ribbons makes the handling of the ribbons easy because the ribbons will aligned.

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

The standard version with is length control for 156mm cells, this means for cell connectors length of about 300mm. 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 300mm
length of stretching	2-10mm, adjustable
max power stretching cylinder	150N

dimensions:	465 x 170 x 100mm
weight:	3,3 kg
Power supply:	air pressure 5-6 bar Power 230V, 10W