APPARATUS AND METHOD FOR PREPARING RIBBON FOR SOLDERING

Various apparatuses, systems and processes that can be configured to prepare ribbons for soldering onto solar cell modules are disclosed. In one embodiment, an apparatus for preparing a ribbon for soldering includes a rolling push ribbon feeder which uses at least two rollers to push feed a ribbon in a pre-straightened form; a ribbon receiver which is coupled to the rolling push ribbon feeder for receiving the ribbon; and a ribbon cutting unit for cutting the ribbon into a predetermined length. The apparatus can additionally include a set of at least two mechanical rollers for providing ribbon in a pre-straightened form. In some embodiments, a system having at least a first and second ribbon preparing apparatus is disclosed. Such a system can be configured to handle the preparation of at least two, and in some embodiments three, ribbons for soldering.

Fig. 1