



Presents:

Mini spinning line & textile recycling

Circular economy and recycling are very popular topics nowadays, widely applied in textiles as well. Besides its main application (didactic, R&D, sampling) Mesdan's **Mini Spinning line** is often contemplated as part of recycling projects: garment brands, R&D labs (institutes & universities), new startups are showing high interest in laboratory scale or small-production lines for recycling of old fabrics & cloths and the recovery of waste of some expensive materials like aramid or carbon fibres.

Here a link to see how one textile school in Holland included the Mini Spinning line into their recycling program:

<https://www.rtlnieuws.nl/nieuws/video/video/5216481/oude-kleren-redden-twentse-textielindustrie>

The audio/text are all in Dutch but it is easy to understand the process.

Their equipment includes a Lab Card with Coiler + "StiroLab" draw frame with Flyer + "Ring Lab" spinning frame + automatic single drum winding machine.



A "standard" recycling process may be described as follows:

- incoming material sanitisation
- two cycles through a shearing machine
- blending (addition of other recycled fibres during carding) and carding
- drawing + ring spinning
- final product: blended yarns (as per desired blending %, count and Tpm)



For more information about Mini spinning line and other Mesdan-Lab products please contact Mesdan:

www.mesdan.com

sales@mesdan.it