

# SPOT pocket washer

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**TODAY IF YOU HAVE A STAIN SPOT, YOU HAVE TO WASH THE WHOLE GARMENT. SPOT, POCKET WASHER IS A HAND-HELD TOOL THAT REMOVES STAINS, SWEAT ODOR ON ALL KINDS OF TEXTILES, WITHOUT THE USE OF WATER OR DETERGENT. THE CLEANING LEAVES NO WATERMARK WHILE ALSO KEEPING THE GARMENTS DRY, ALLOWING THEM TO BE WORN AGAIN, STRAIGHT AWAY.**

When starting this project, my hypothesis was that today's washing machines tear and wear our clothes. Adding the fact that it's also a time consuming process, to wash, dry and store the clothes I saw an opportunity to rethink the way people could clean their clothes.

Even small spots or locally attached odor would leave you with no other option than to wash the whole garment. This was something that I addressed by designing a tool that can remove food caused stains or any other fat based dirt on all kinds of textiles. Leaving them dry and ready to be worn again. No water or detergent is used, instead it uses supercritical carbon dioxide, which in a supercritical stage has no surface tension, allowing it to penetrate textile fibers and dissolve the fat boundaries in dirt within a second. Remaining dirt particles can then easily be shaken of by hand or blown away. The carbon dioxide comes in recyclable 24 ml cartridges, where one cartridge has a cleaning time of 40-45 minutes and can clean approximately 60 to 100 garments with middle sized stains. Saving both time and money, and the environment.



