

## cGMP Cleaning Systems

Müller-made cleaning equipment means effective cleaning and drying

### Cleaning systems for pharmaceuticals, diagnostics, cosmetics, food and chemical industries

Müller Cleaning Vertical Cleaning Device (VCD), Pharmaceutical Device Cleaning System (PDC) and Pharmaceutical Container Cleaning (PCC) systems are built to reflect that cleaning is one of the keys to the success in the production process in the field of pharmaceuticals, diagnostics, cosmetics and high grade food industries. All the various equipment in contact with the produced product such as containers, drums, bottles, funnels, pipes, hoses, sieves, punches, dies, pumps, valves and also machinery parts as well as production tools is cleaned and completely free of residue. The cleaning programs are storable, repeatable and validable.



## AMERICAN MÜLLER-MADE CLEANING SYSTEMS

### Vertical Cleaning Device

Vertical Cleaning Device (VCD) cleaning device for containers and drums. Automated inside cleaning device for containers, reactors, mixing systems, fermenters and other hollow parts with inlet and outlet for cleaning medium. Automated solutions for cleaning containers with automated opening and closing of the container inlet and outlet. Various options as medium circulating module, drying module, steam out and dosing modules are available.

### Pharmaceutical Device Cleaning

Pharmaceutical Device Cleaning (PDC) cleaning device for parts and drums. Fully integrated cleaning device for inside and outside pre-steam, prewash, wash, neutralize, rinsing and drying of equipment in contact with the produced product as containers, drums, bottles, funnels, pipes, hoses, sieves, punches, dies, pumps, valves ... and also machinery tools and tooling used in the field of pharmaceutical, cosmetic and high grade food industries. Special racks are designed for the various parts to be cleaned, according to customer requirements.

### Pharmaceutical Container Cleaning

Pharmaceutical Container Cleaning (PCC) systems are fully integrated cleaning device for inside and outside pre-steam, prewash, wash, neutralize, rinsing steam out and drying of equipment such as containers, drums, pallets and large equipment parts used in the field of pharmaceuticals, cosmetics and high grade food industries. Fully automated solutions for infeed, outfeed and opening / closing of full containment IBC's available. Special racks are designed for the various parts to be cleaned, according to customer needs.

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