

# The Modular Ultrasonic Cleaning System for Low Throughput

## UCMCombiLine

The UCMCombiLine ultrasonic cleaning system for manual workstations is available in several sizes. It can be operated as a stand-alone unit or in combination with several modules of the same series.



The UCMCombiLine ultrasonic cleaning system for manual workstations in various sizes combines an oscillating basket movement for increased cleaning effectiveness and optimized draining. It can be flexibly adapted to individual requirements as a stand-alone unit or in a modular configuration with one or more rinsing tanks (with/without heating), spray cleaning, and hot air dryer.

### FEATURES AND BENEFITS

- + **Double Frequency:** the two frequencies can be easily switched as needed.
- + **Automatic Oscillation:** to prevent standing waves and ensure uniform coverage.
- + **Booster Function:** Times Peak Power can act on stubborn stains and semi-aqueous solvents, significantly improving ultrasonic performance.

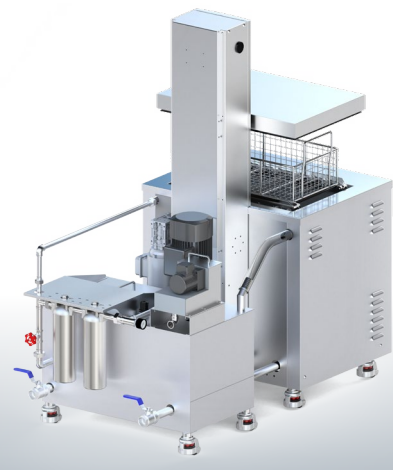
+ **Linearly adjustable Power:** To meet different cleaning requirements, the ultrasonic power can be adjusted linearly between 10 and 100%.

+ **Adjustment:** The device automatically adapts to different working conditions (temperature, liquid level, and with/without workpiece) and maintains the optimal working frequency and constant performance.

+ **High-resolution, user-friendly LCD Display:** enables the work status to be monitored and parameters to be set.

+ **High Efficiency:** The efficiency of converting ultrasound and electrical energy is more than 95%.





#### Options

- Circulation system with filter
- Oil separator
- Carbonation tank
- Rinsing tank
- High-pressure spray tank
- Dryer, etc.

Can be extended according to your wishes.

#### TECHNICAL DATA

| UCMCombiLine                | RM85  | RM120                | RM160                |
|-----------------------------|---|----------------------|----------------------|
| External dimensions (LxWxH) | 720 x 850 x 1,600 mm  | 750 x 900 x 1,600 mm | 820 x 950 x 1,600 mm |
| Internal dimensions (LxWxH) | 600 x 400 x 350 mm  | 650 x 450 x 400 mm   | 700 x 500 x 450 mm   |
| Batch size (LxWxH)          | 520 x 300 x 150 mm  | 570 x 350 x 200 mm   | 620 x 400 x 250 mm   |
| Bath weight                 | 20 kg   | 25 kg                | 30 kg                |
| Total volume                | 85 l  | 120 l                | 160 l                |
| Working volume              | 60 l  | 90 l                 | 120 l                |
| Frequency                   | Double-frequency optional: 28 / 68, 40 / 80, 40 / 130, 80 / 130 kHz |                      |                      |
| Ultrasound power            | 1,500 W   | 1,800 W              | 2,400 W              |
| Heating power               | 5 kW  | 6 kW                 | 8 kW                 |
| Voltage                     | 400 VAC / 3-phase   |                      |                      |
| Power supply frequency      | 50 / 60Hz   |                      |                      |
| Working time setting        | 0-60 minutes/continuous work  |                      |                      |
| Max. heating temperature    | 80 °C   |                      |                      |
| Material                    | 1.4301  |                      |                      |
| Cover                       | √   |                      |                      |
| Handling                    | Foot (roller)   |                      |                      |
| Drain valve                 | 1"  | 1"                   | 1" 1/2               |
| Weight                      | 85 kg   | 100 kg               | 115 kg               |



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