

# The Ultrasonic Cleaning System for your Entry into Series Production

## UCMPrimeLine



The UCMPrimeLine is a modular ultrasonic immersion cleaning system designed for reliable and cost-effective batch cleaning with a scalable automation concept.

The UCMPrimeLine is a modular ultrasonic immersion cleaning system that is designed to deliver consistent and cost-effective cleaning results. It was developed for applications where reliable part cleaning and standardized procedures are essential.

The system design supports both semi-automatic and fully automatic process control and can be adapted to different workpiece dimensions, batch weights, and process requirements. Thanks to the use of defined ultrasonic technology, reproducible material handling, and an automated transport system, the UCMPrimeLine is particularly well-suited for series production in industrial manufacturing environments.

The modular design allows for the configuration of 3 to 8 process stations as well as the integration of various loading and unloading concepts. As a result, the UCMPrimeLine provides a scalable foundation for future process adaptations.

### FEATURES AND BENEFITS

- + Modular system design:** configurable with 3 to 8 process stations, adaptable to various cleaning, rinsing, and drying processes
- + Flexible automation:** fully automated process control enables the processing of mixed recipes with varying immersion times through the individual batch systems
- + Precision Ultrasonic Cleaning:** Ultrasonic technology with bottom transducers designed to deliver consistent cleaning results
- + A well-designed loading and unloading concept:** Direct loading, trolley solutions, or conveyor systems can be implemented
- + Service- and maintenance-friendly design:** separate service area with easy access to components, clear separation of process, control, and service areas



### System Design

- Modular design with 3 to 8 process stations
- Scalable system design within the UCMPPrimeLine Series
- Designed for reproducible batch cleaning processes
- Controlled ultrasonic cleaning with bottom transducers
- Goods movement via a structured pusher transport system
- Semi-automatic/fully automatic process control
- Easy operation via HMI and digital displays
- Clear process visualization
- Clear separation of process, control, and service areas
- Ergonomic loading and unloading at a height of approximately 900 mm
- Direct loading; compatible with trolley or conveyor systems
- Service-friendly design with easily accessible maintenance areas

### TECHNICAL DATA

UCMPPrimeLine Series	T60	T90	T160
<b>System Dimensions (L x W x H)</b>	* x 1,600 x 2,000 mm	* x 1,600 x 2,000 mm	* x 1,900 x 2,000 mm
<b>Loading height</b>	900 mm	900 mm	900 mm
<b>Internal dimensions of the tank (WxDxH, in mm)</b>	500(300) x 420(400) x 360(300)	750(300) x 450(400) x 400(300)	900(300) x 750(400) x 400(300)
<b>External dimensions of the basket (WxDxH, in mm)</b>	445(245) x 365(345) x 370(350)	695(245) x 395(345) x 450(350)	845(245) x 695(345) x 450(350)
<b>Effective washing area (WxDxH, in mm)</b>	425(225) x 345(325) x 270(210)	675(225) x 375(325) x 310(210)	825(225) x 675(325) x 310(210)
<b>Volume</b>	36 - 60l	61 - 90l	91 - 160l
<b>Ultrasonic power</b>	600W	1.000W	1.800W
<b>Heating capacity of bath</b>	2 kW	3 kW	6 kW
<b>Flow rate in circulation mode</b>	30 l/min.	45 l/min.	80 l/min.
<b>Heating capacity of the dryer</b>	9 kW	9 kW	12 kW
<b>Hot-air circulation</b>	32 m <sup>3</sup> /min.	32 m <sup>3</sup> /min.	32 m <sup>3</sup> /min.