



# WESMAN



## INDUSTRIAL FURNACES DIVISION

# BATCH SPRAY AND DUNK WASHING MACHINE

## MSD SERIES

**WESMAN UTTIS WASHING MACHINES** are designed for

- Pre-washing of light machine oil from components before processing
- Post-washing of components after quenching to remove residual quench oil

### ABOUT WESMAN UTTIS

These machines are built with a combination of design technology from UTTIS, Romania and Wesman's expertise in manufacturing them for more than 25 years. Accumulating advanced furnace techniques and new outcomes from various industrial fields, Wesman Uttis MSD Series Washing Machines are distinguished by simple design, ease of operation and maintenance, and low running costs.

### TOTAL INSTALLATION

The Washing Machine is a part of a Sealed Quench Furnace installation, where post-washing of components to remove residual quench oil after quenching is mandatory before processing in the Tempering Furnace. Sometimes pre-washing is also carried out before preheating operation. The Washing Machine is normally placed in between the Sealed Quench Furnace and Tempering Furnace. Charge loading and unloading is carried out by an external Unloading/ Loading Machine.



### AVAILABLE MODELS

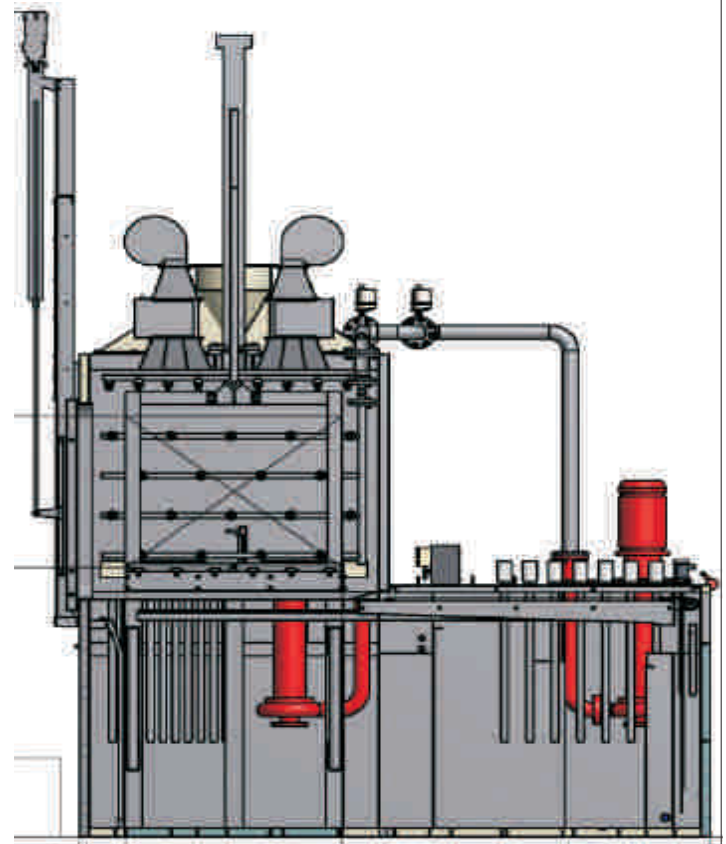
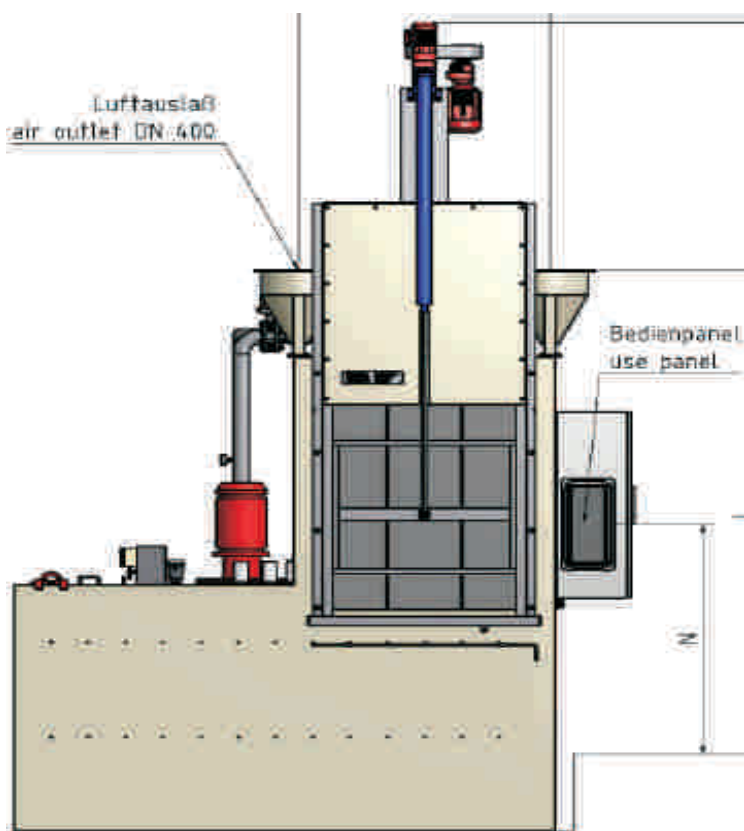
Single Medium Single Chamber MSD Washing Machine models are offered with features of washing, dunking, spraying and drying. For improved washing effects by washing and dunking in alkali solution and spraying by hot water, Twin Chamber and Twin Medium Washing Machine models are available. For special applications, MSD Washing can also be constructed from stainless steel.

WASHING MACHINE MSD	CHARGE LENGTH in mm	CHARGE WIDTH in mm	CHARGE HEIGHT in mm	GROSS CAPACITY in kg
TYPE 1/1	900	600	500	400
TYPE 2/1	1200	750	600	600
TYPE 2/2	1200	750	750	1000
TYPE 3/2	1200	900	750	1000
TYPE 3/3	1200	900	900	1500

STANDARD AVAILABLE AND COMMON SIZES ARE GIVEN BELOW. OTHER SIZES MAY BE AVAILABLE ON REQUEST

# WESMAN UTTIS MSD WASHING MACHINE KEY FEATURES AND ADVANTAGES

- Fabricated from heavy-duty structural steel plates, reinforced and welded
- Vertical pneumatically operated oscillating elevator and steel plate type door
- Agitator for alkali solution provided
- Specially designed spray system with high-pressure pump and manually revolving nozzles for superior cleaning results
- Nozzle cleaning system by means of compressed air
- All pumps provided with mechanical seal to prevent media spillage and leakage
- Automatic inlet water filling system with auto level sensing arrangement, solenoid valve and operational interlocks
- Standard provision of temperature setting of alkali solution and dryer heaters
- Spray skimming system provided as standard
- Special coalescing type oil skimming system provided with skimming pump and stainless steel oil/ water separator
- Fully automatic operation with control panel fitted on side wall of washer
- Interior painted with rust preventive epoxy to minimize rust due to water exposure
- All elements easily accessible for ease of maintenance
- Use of best makes of bought-out components



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For information about WESMAN UTITIS, please visit [www.wesman.com](http://www.wesman.com) and [www.uttisheat.com](http://www.uttisheat.com)