



MUTITANK Series Multistage Cleaning Equipment

MUTITANK system is a multitask cleaning system for cleaning, degreasing, rinse, passivation and drying applications. Design different cleaning process according to customs requirements and work piece specifications.



APPLICATIONS

MUTITANK series is ideal semi-automatic cleaning machine for different metal, plastics, ceramics parts to removes oil, grease, dirt, dust, chips, mud, corrosion, production slag of the surface of parts in inter-process cleaning or for precision cleaning before assembling. After equipping with optional conveying system, MUTITANK can realize full-automatic continuous cleaning.

TYPICAL APPLICATIONS:

- Machinery Industry
- Repair and Maintenance Industry
- Automotive, Railway, Ship, Aerospace Industry
- General Engineering Industry
- Precision Metal Industry
- Surface treatment & Processing Industry
- Glass & Optical Industry
- Electronic & Semiconductor Industry
- Photovoltaic Solar Industry
- Medical Industry
- Printing Industry

FEATURES

- Custom designed Cleaning & Processing Lines having Washing / Rinsing / Drying and other stages for choosing.
- Eliminates high-labor costs through the installation of crane or electric hoist.
- Made from SUS304 or SUS316 thickened stainless steel, better corrosion resistance performances and longer service life;
- Efficient heating and temperature control system;
- KEER new generation circuit board has stronger power and more stable;
- Fast degassing function at the start of the ultrasonic cycle to remove gases from the solution for maximum ultrasonic cleaning performance;
- Auto-tune technology with Sweep and power adjustment for more stable and better effect;

- Full-bridge IGBT module, high pressure resistant & high temperature resistance.
- Transducers are fixed by stud welding and Switzerland glue to avoid shedding.
- Ultrasonic power adjustable linearly.

CLEANING PROCESS

Design different cleaning process according to customs' requirements and work piece specifications.

The MUTITANK system can be equipped with:

- **Treatment tank function for choosing:**
 - Ultrasonic cleaning
 - SonicJet cleaning
 - Spray washing
 - Pickling & Activating
 - Passivating for rust protection
 - Rinsing
 - Bubbling rinsing
 - Drainage
 - Slow-lifting drainage
 - Protection against corrosion
 - Blowing drying
 - Hot air drying
 - Vacuum drying
 - Basket dunking
 - Basket rotation
 - Basket swing
- **Bath maintenance options, for example:**
 - Storage tanks
 - Circulation and filtration system;
 - Oil skimmer;
 - Oil/water separator units;
 - Steam extraction fan & steam condenser units
 - Auto fresh water refill;
 - Auto detergent dosing unit;
- **Other functions for choosing:**
 - Crane or electric hoist to lift and move the cleaning parts between different stations;
 - Control system upgrades – PLC control system with touch screen;
 - Air blow-gun for drying parts;
 - Electric, gas, diesel or steam powered fluid heating;



- Special fixture according to washing parts;
- Loading trolley.

COMMON TANK SIZE LIST

Tank No.	Tank Inner Size	Tank Outside Size	Effective Liquid Level	Effective Tank Capacity	Ultrasonic Power	Heating Power	Ultrasonic Direction
900E	380x270x350mm	520x410x600mm	350mm	36L	0.9 KW	2 KW	Bottom
1200E	500x350x350mm	640x490x600mm	350mm	61L	1.2 KW	3 KW	Bottom
1500E	600x400x400mm	740x540x600mm	400mm	96L	1.5 KW	4 KW	Bottom
1800E	650x450x400mm	790x590x600mm	400mm	117L	1.8 KW	4 KW	Bottom
2400E	700x480x400mm	840x620x600mm	400mm	134L	2.4 KW	5 KW	Bottom
2800E	800x500x450mm	940x640x650mm	450mm	180L	2.8 KW	6 KW	Bottom
3600E	1000x550x450mm	1140x690x650mm	450mm	247L	3.6 KW	8 KW	Bottom
2400	600x480x450mm	760x770x680mm	390mm	112L	2.4 KW	4 KW	Three Sides
3000	750x550x480mm	910x850x770mm	390mm	160L	3.0 KW	8 KW	Three Sides
4000	1000x550x560mm	1160x850x870mm	420mm	231L	4.0 KW	12 KW	Three Sides
6000	1200x650x650mm	1400x1030x980mm	490mm	382L	6.0 KW	15 KW	Three Sides
8000	1450x720x730mm	1650x1190x1100mm	570mm	595L	8.0 KW	18 KW	Three Sides
10800	1500x800x800mm	1700x1280x1150mm	640mm	768L	10.8 KW	30 KW	Three Sides
12000	1700x900x800mm	1960x1450x1150mm	640mm	979L	12.0 KW	45 KW or Steam	Three Sides
24000	2500x1200x1000mm	2800x1800x1350mm	840mm	2520L	24.0 KW	90 KW or Steam	Three Sides

NOTE: Any special tank size requirement can be customized.



1. Communicate
the cleaning
requirements.

2. Design according
to requirements
and quote.

3. Modify the design
until satisfaction,
then confirm the final
design and quotation.

4. Place order and
pay the advance
payment.

5. Arrange the
production.

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