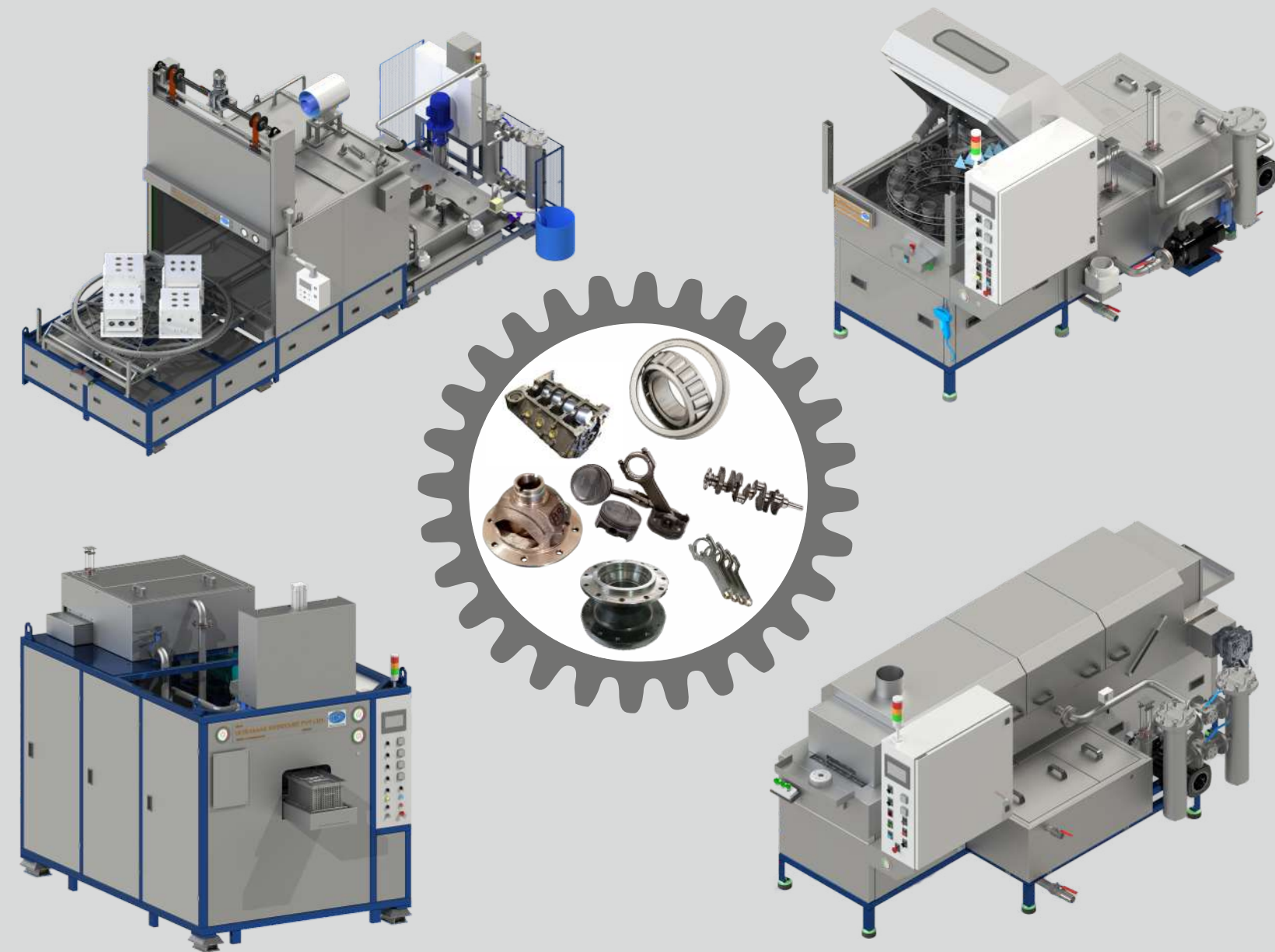


METAL PARTS CLEANING & DE-GREASING MACHINES

We are Expertized in Solving Difficult Cleaning Tasks



ULTRAMAX HYDROJET PVT. LTD.

AN ISO 9001:2015 Company

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CLEANING SOLUTION FOR YOUR NEEDS



ULTRAMAX HYDROJET PVT LTD.



ULTRAMAX HYDROJET PVT LTD.

ULTRAMAX HYDROJET PVT LTD is one of the leading Manufacturers since 2006 having expertise in machine design, engineering, and aqueous cleaning to offer superior, integrated economical cleaning solutions for Automotive, Engineering, Railways, Aerospace & General manufacturing industries worldwide.

We are specialist in providing our machines which are designed & ensured with proven cleaning technology using industrial quality materials & components. We are providing complete cleaning solution in offering various aqueous parts washers, cleaning detergents, spare parts & technical support which meets your needs.

We are the leading suppliers of Industrial cleaning systems & our range of products include

- Rotary Parts Cleaning & Degreasing Machine
- Front Loading Cleaning & Degreasing Machine
- Ultrasonic Cleaning Machine
- Conveyorized Cleaning & Degreasing Machine
- Bin/Crates Cleaning Machine
- Single chamber Multi process Cleaning Machine
- Robotic Component Cleaning Machine
- Special Purpose Cleaning Machines
- Millipore Test Facility

ULTRAMAX HYDROJET PVT LTD not only have modern state of the art facility for Manufacturing but also have facilities to Design, developing prototype & Testing of Machine. A dedicated team of highly qualified engineers are supporting us with a vision to innovate and design to fulfill our customer requirements. We determine to provide the optimum cleaning technology for you and we are not only offering equipment but also providing extensive consultations to achieve the difficult cleaning tasks with economical solution.

Our commitment to excellence starts with our design, manufacturing & delivery within stipulated timeline. Our team members are among the most experienced and creative professionals in the parts washer. We believe in providing turnkey solutions from design, manufacturing, installation & commissioning & after sales & service.



MULTISTAGE ULTRASONIC CLEANING



SMALL PARTS CLEANING MACHINE



SPRAY CUM ULTRASONIC MACHINE

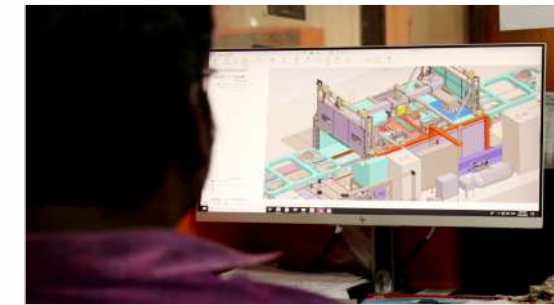


CONVEYORIZED BIN CLEANING MACHINE



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OUR INFRASTRUCTURE & FACILITIES

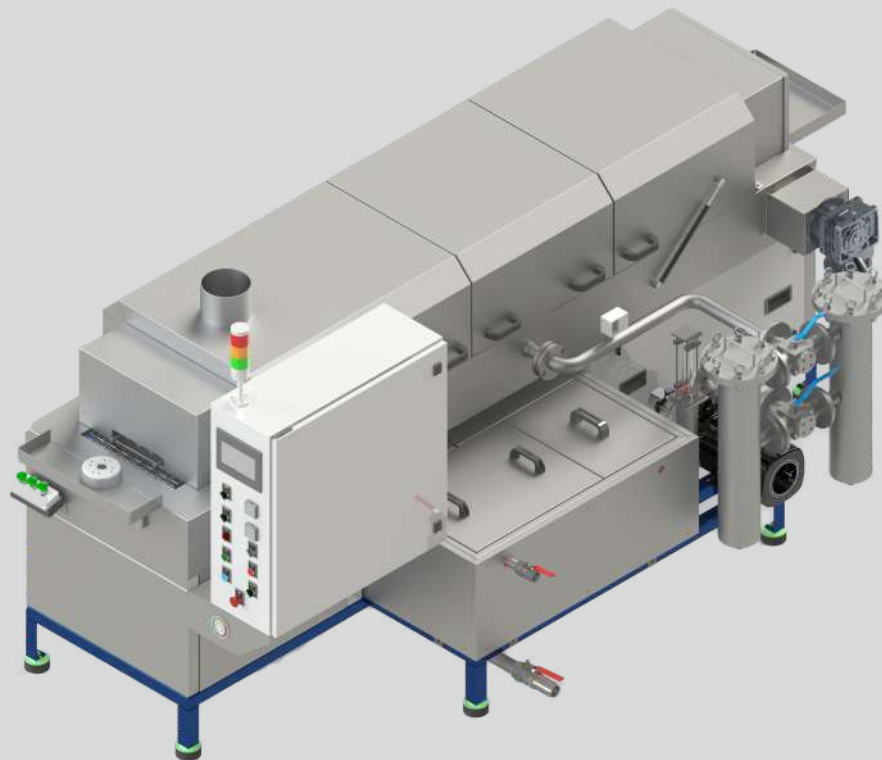


Right Technological Partner for your Cleaning Requirements

OUR VALUED CUSTOMERS



CONVEYORIZED CLEANING & DEGREASING MACHINE



SIMILAR PARTS / COMPONENTS TO BE CLEANED



The Conveyorized type Parts Washer works on pressurized spray cleaning techniques in which the cleaning process such as Washing, Rinsing & Hot air blowing will be done in a separate chamber through continuous process.

These machines are selected for achieving high level of output from the components. The uncleaned parts are loaded in one side & the cleaned components will be taken out from the unloading area & moved to further process.



ULTRAMAX HYDROJET PVT. LTD.

BASIC FEATURES OF THE MACHINE :

- All Wetted parts are constructed using Stainless Steel (SS 304)
- High Pressure wash pump
- Special 3D Nozzle arrangement
- Automatic Oil skimmer
- Gas Springs for Accessing the Cabinet Doors
- Operator panel with PLC Logic & HMI
- Water Level Float Indicator
- Electrical Immersion Heating for optimizing the Wash Tank temperature
- Tank Wall insulation
- Drain Ball valve for emptying of tank

OPTIONAL ACCESSORIES :

- Oil Separator Attachment
- Rinsing Process in separate chamber
- Machine Drip Tray



NOTE: The machine can be customized according to component cleaning parameters & its requirements

CONVEYORIZED PARTS WASHER TECHNICAL DATA					
Machine Model No		SPCWM/400	SPCWM/600	SPCWM/400 2T	SPCWM/600 2T
Conveyor Width	mm	400	600	400	600
Loading Height	mm	900	950	900	950
Tank Volume	Ltrs	250	300	300 /200	450 /300
Pump Spraying Pressure	bar	3-4	4- 5	4-5	4-5
Pump flow Rate	l/min	80- 100	160- 180	200- 240	280- 300
Pump Motor	Kw	2.2	3.2	4	4
Blower Capacity	Kw	4	5.5	4	5.5
Water Heater Capacity	Kw	12	18	24	36
Conveyor Drive	Kw	0.18	0.25	0.25	0.25
Cleaning Temperature	°C	55 - 60	60 - 65	60 - 65	60 - 65
Voltage	V	230/415	230/415	230/415	230/415
Phase	Ph	3	3	3	3
Timer	Min	1-60	1-60	1-60	1-60
Length	mm	2400	3400	2800	3750
Width	mm	1200	1800	2100	2250
Height	mm	1900	2100	1900	2100
Gross Weight	Kgs	850	1300	1100	1500
Power Requirements	Kw	22	32	36	45

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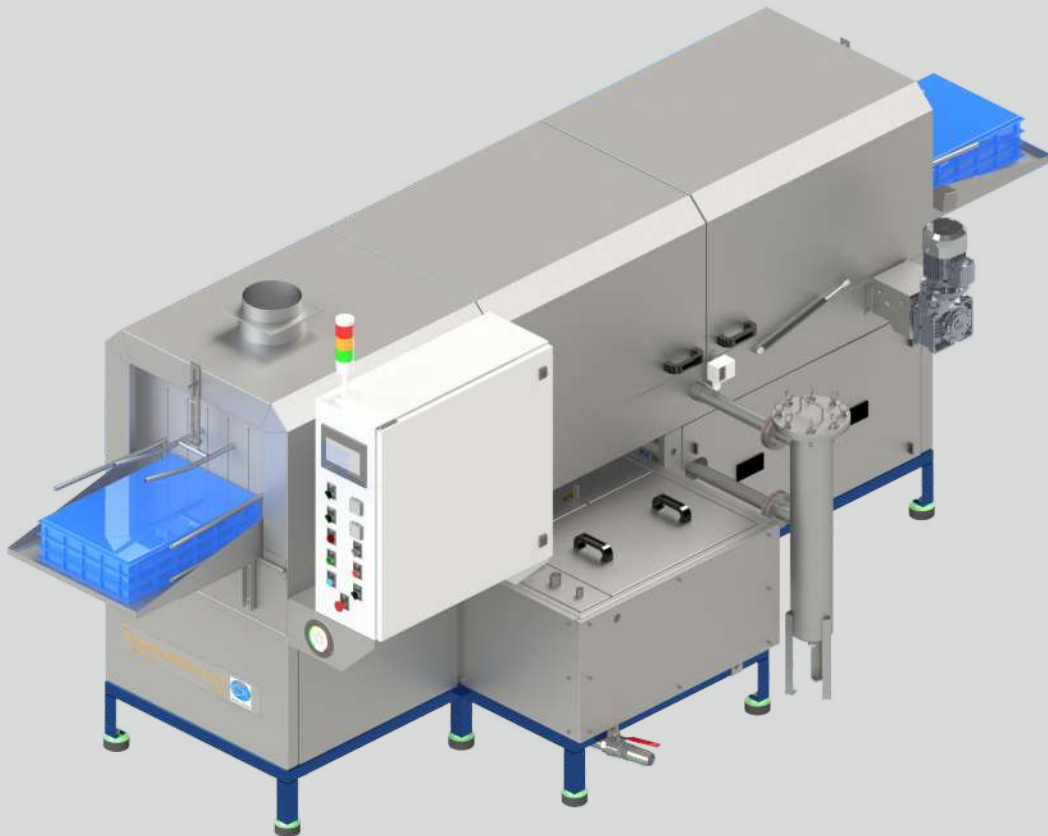
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BIN/CRATES CLEANING MACHINE

The Bin / Crates Cleaning Machines are used in Automotive & General Engineering Industries , Food Industries to remove the foreign particles present inside such as Atmospheric dust, loose chips & oil removal. Depending upon the volume & Capacity we are having 2 models. One is Conveyorised type which is a continuous process & second one is Rotary Type Batch cleaning Machine.

CONVEYORIZED TYPE BIN/CRATES CLEANING MACHINE



BASIC FEATURES OF THE MACHINE :

- All Wetted parts are made of Stainless Steel (SS 304)
- Designed for High Productivity
- Continuous Type: Min 100 - 400 No's / Hr
- Washing & Hot air blow will be done on separate chamber
- Wash pump with 3D Nozzle arrangement
- Oil skimmer
- Recycling Filtration systems
- Gas Springs for Handling the Doors
- Operator panel with PLC Logic & HMI
- Electrical Immersion Heating for optimizing the Wash Tank temperature
- Steam Extraction /Mist Collector
- Tank Insulation
- Max size : 600 x 400 x 300 mm (L x W x H)
- Machine can be customized according to sizes of bin / crates

OPTIONAL ACCESSORIES :

- Oil Separator Attachment
- Rinsing process in a separate chamber
- Pre chocking tank with Heaters (To avoid maximum contaminations)
- Machine Drip Tray
- Duplex Filtration Systems



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ROTARY TYPE BIN/CRATES CLEANING MACHINE



BASIC FEATURES OF THE MACHINE :

- All Wetted parts are constructed using Stainless Steel (SS 304)
- Batch Type Process (150 No's / 8 Hrs Shift)
- Wash pump with 3D Nozzle arrangement
- Oil skimmer
- Recycling Filtration systems
- Gas Springs for Handling the Doors
- Operator panel with PLC Logic & HMI
- Electrical Immersion Heaters for optimizing the Wash Tank temperature
- Tank Insulation
- Max size : 600 x 400 x 300 mm (L x W x H)
- Machine can be customized according to sizes of bin / crates

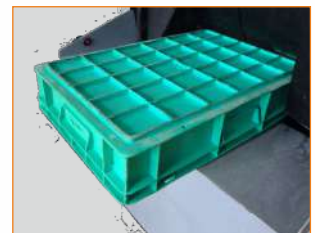
OPTIONAL ACCESSORIES :

- Auto Door opening & closing system through Pneumatic systems
- Oil Separator Attachment
- Steam Extraction /Mist Collector
- Safety Light curtain

BIN /CRATES CLEANING COMPARISON



BEFORE CLEANING



AFTER CLEANING

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TOP LOADER PARTS CLEANING & DEGREASING MACHINE



SIMILAR PARTS / COMPONENTS TO BE CLEANED



NOTE: The machine can be customized according to component cleaning parameters & its requirements

BASIC FEATURES OF THE MACHINE :

- All Wetted parts are constructed using Stainless Steel (SS 304)
- Compact in size
- High Pressure wash pump with 3D Nozzle arrangement
- Oil skimmer
- High Load carrying capacity for Component Basket
- Recycling Filtration systems
- Auto Door opening & closing through Pneumatic systems
- Operator panel with PLC Control & HMI Display

OPTIONAL ACCESSORIES :

- Oil Separator Attachment
- Special Component Fixture
- Fresh Water Rinsing/Recirculated Rinsing process
- 2 Tank concept (Clean Tank & Collection tank) to achieve Millipore level of cleaning
- Steam Extraction /Mist Collector
- Safety Light Curtain
- Component Trolley for handling of part
- Online Magnetic Separator



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TOP LOADER PARTS CLEANER TECHNICAL DATA

Machine Model No		UHPL/TRWM/400	UHPL/TRWM/720	UHPL/TRWM/1000	UHPL/TRWM/1200
Turntable Diameter	mm	400	720	1000	1200
Usable Height	mm	250	350	450	550
Loading Height	mm	750	900	950	1000
Load Carrying Capacity	Kgs	50	250	350	500
Washing Tank Volume	Ltrs	150	200	300	350
Pump Spraying Pressure	bar	3-4	4- 5	4-5	4-5
Pump flow Rate	l/min	80- 100	160- 180	200- 240	280- 300
Pump Motor	Kw	2.2	3.2	4	4
Water Heater Capacity	Kw	6	9	12	18
Air blower Motor	Kw	4	4	4	4
Air Heater box Capacity	Kw	6	6	6	6
Basket Drive	Kw	0.18	0.25	0.25	0.25
Cleaning Temperature	°C	55 - 60	60 - 65	60 - 65	60 - 65
Voltage	V	230/415	230/415	230/415	230/415
Phase	Ph	3	3	3	3
Timer	Min	1-60	1-60	1-60	1-60
Length	mm	900	1220	1450	1750
Width	mm	1200	1800	2100	2250
Height	mm	1400	1850	1900	1900
Gross Weight	Kgs	650	800	1100	1150
Power Requirements	Kw	9	13	18	22

SAFETY LIGHT CURTAIN



OIL SEPARATOR



PAPER BAND FILTRATION



STEAM EXTRACTION/ MIST COLLECTOR



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ULTRASONIC CLEANING MACHINE

Ultrasonic Cleaners are suitable where the contamination is complex and cleaning accuracy is high. The Ultrasonic cleaning uses cavitation bubbles by means of High frequency waves throughout the solution thereby removing all the complex contaminations.

In addition to that, we are using combination of both spray Washing & Ultrasonic cleaning which is a Hybrid Machine which consists of all process such as Spray Washing, Ultrasonic cleaning, Post spray Wash, Hot Air blowing to achieve the consistency level in cleaning.

ROTARY SPRAYING CUM ULTRASONIC CLEANING MACHINE



ULTRASONIC TRANSDUCER & GENERATOR

SIMILAR PARTS / COMPONENTS TO BE CLEANED



ULTRAMAX HYDROJET PVT. LTD.

BASIC FEATURES OF THE MACHINE :

- All Wetted parts are constructed using Stainless Steel (SS 304)
- Ultrasonic Transducer & Generator
- High Pressure wash pump
- Special 3D Nozzle arrangement
- Recycling Filtration systems
- Auto Door opening & closing (Pneumatic system)
- Operator panel with PLC Control & HMI Display

OPTIONAL ACCESSORIES :

- Oil Separator Attachment
- Special Component Fixture
- Rinsing Process
- 2 Tank concept (Clean Tank & Collection tank) to achieve Millipore level of cleaning
- Steam Extraction /Mist Collector
- Safety Light Curtain

NOTE: The machine can be customized according to component cleaning parameters & its requirements



MULTISTAGE ULTRASONIC CLEANING MACHINE

BASIC FEATURES OF THE MACHINE :

- Multistage process (Washing, Ultrasonic cleaning, Rinsing & Hot Air blowing)
- Ultrasonic Transducer & Generator
- Automatic Transfer from one station to other station
- Special Component Baskets
- Component Guiding Mechanism (Up & Down Movement)

OPTIONAL ACCESSORIES :

- Oil Separator Attachment
- Special Component Fixture

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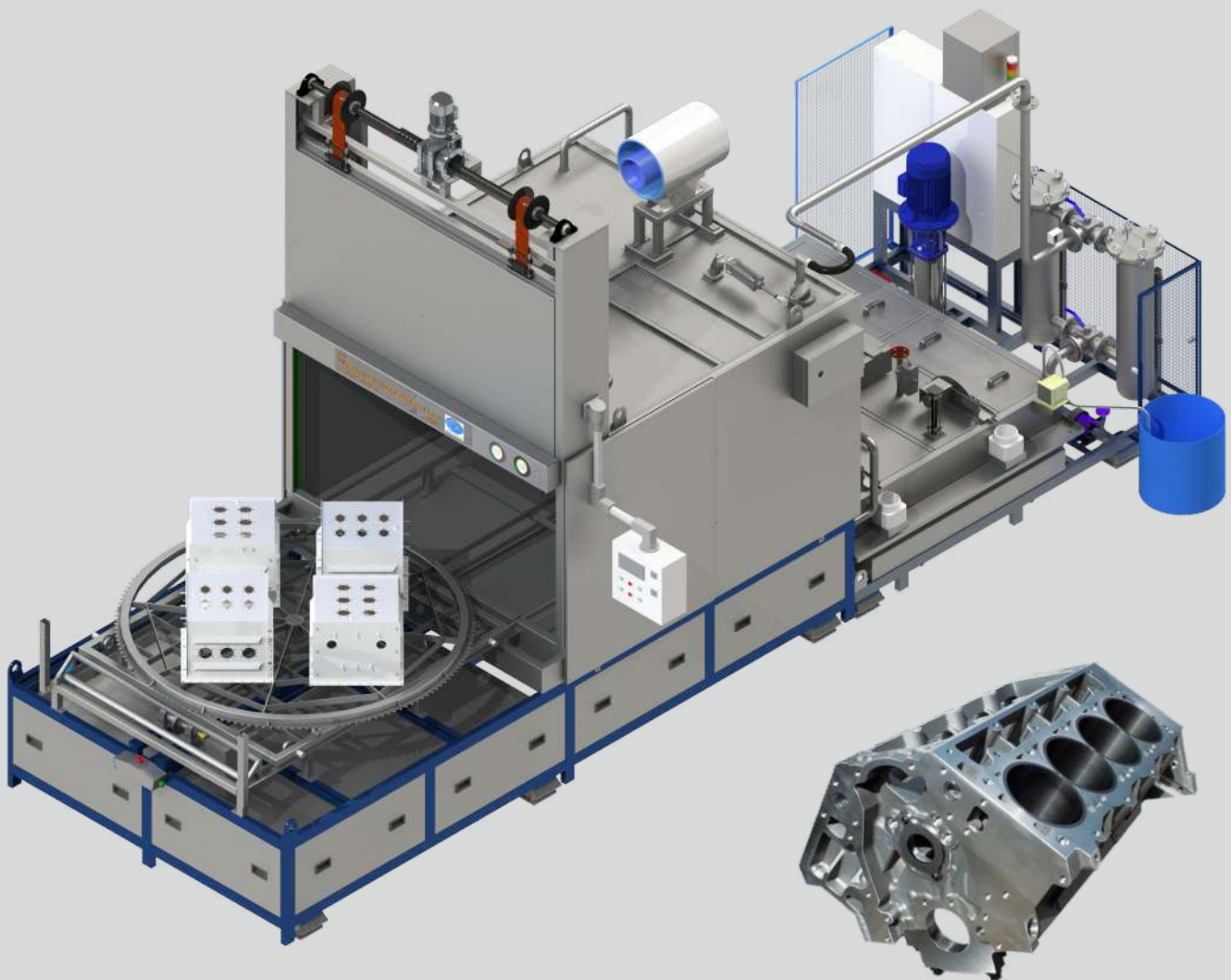
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FRONT LOADING CLEANING & DEGREASING MACHINE



Front Loading Parts Washer works on the principle of Rotary spray cleaning Technology designed for handling larger & heavy weight objects based on their complexity & geometry. In this Front Loading washer, all process such as Washing , De-greasing, Hot Air blowing will be carried out simultaneously one after other in a single chamber



ULTRAMAX HYDROJET PVT. LTD.

BASIC FEATURES OF THE MACHINE :

- All Wetted parts are made of Stainless Steel (SS 304)
- Heavy Duty construction
- High Pressure wash pump&3D Nozzle arrangement
- Automatic Oil skimmer
- Recycling Filtration systems
- High permissible load carrying capacity for Component Basket
- Automatic Door opening & closing through Pneumatics
- Operator panel with PLC Control & HMI Display
- Electrical Immersion Heating for optimizing the Wash Tank temperature
- Washing Lance Oscillation mechanism

OPTIONAL ACCESSORIES :

- Oil Separator Attachment
- 2 Tank concept (Clean Tank & Collection tank) to achieve Millipore level of cleaning
- Fresh Water Rinisng/Recirculated Rinsing process
- Safety Light Curtain
- Component Trolley for handling of part
- Paper Band Filtration systems
- Online Magnetic Separator



NOTE: The machine can be customized according to component cleaning parameters & its requirements

FRONT LOADING CLEANING MACHINE TECHNICAL DATA

Machine Model No		FLWM/720	FLWM/1000	FLWM/1500	FLWM/2000
Turntable Diameter	mm	720	1000	1500	2000
Usable Height	mm	350	550	600	800
Loading Height	mm	950	1000	1100	1200
Load Carrying Capacity	Kgs	250	350	500	1000
Washing Tank Volume	Ltrs	300	400	600	800
Pump spray Pressure	Bar	4-5	5-6	5-6	7-8
Pump Flow Rate	l/min	160-80	200-250	300-330	400-450
Pump Motor	Kw	0.18	0.18	0.25	0.25
Water Heater Capacity	Kw	18	27	36	45
Air blower Motor	Kw	4	4	5.5	5.5
Air Heater box Capacity	Kw	6	6	6	6
Basket Drive	Kw	0.18	0.25	0.37	0.37
Stream Extraction	HP	0.5	1	1.5	1.5
Cleaning Temperature	°C	55- 60	60-65	60-65	65-70
Voltage	V	230/415	230/415	230/415	230/415
Phase	Ph	3	3	3	3
Timer	Min	1-60	1-60	1-60	1-60
Length	mm	1100	1450	2100	2400
Width	mm	2300	3200	3550	3900
Height	mm	1700	2100	2400	2800
Gross Weight	Kgs	750	1300	1800	2400
Overall Power Required	Kw	22	32	45	55

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SINGLE CHAMBER MULTIPROCESS CLEANING MACHINE

The Multi process cleaning machines are designed for ensuring & achieving excellent cleaning results. All the process such as Spray Washing, High power injection flood washing, Ultrasonic cleaning, Hot Air blowing & Vacuum Drying are carried out in a sequential manner to get desired quality of the component cleaning.



SIMILAR PARTS / COMPONENTS TO BE CLEANED



ULTRAMAX HYDROJET PVT. LTD.

BASIC FEATURES OF THE MACHINE :

- All Wetted parts are constructed using Stainless Steel (SS 304)
- Cleaning & Drying Process in Vacuum Proof chamber
- Best Millipore tests results
- High Pressure wash pump
- Efficient Oil Separator
- Filtration in closed Loop system with High Power Injection Flood Washing
- Automatic Door Locking for working chamber
- Operator panel with PLC Logic & HMI
- Special Component baskets

OPTIONAL ACCESSORIES :

- 2 Tank concept (Clean & Collection tank)
- Rinsing process
- Steam Extraction /Mist Collector
- Safety Light Curtain
- Additional Component baskets (on request)

NOTE: The machine can be customized according to component cleaning parameters & its requirements

REVOLVING CABINET WASHER TECHNICAL DATA

Machine Model No		HYDROJET - CW 320	HYDROJET - CW 670
Washing Tank Volume	Ltrs	350	600
Rinsing Tank Volume	Ltrs	200	300
Wash Pump Spray pressure	bar	3-4	5-6
Rinse Pump Pressure	Bar	2-3	2-3
Wash Pump flow Rate	l/min	160- 180	300 - 350
Rinse Pump flow Rate	l/min	40- 50	60 - 80
Wash Pump Motor	Kw	3.2	5.5
Rinse Pump Motor	Kw	2.2	1.2
Washing Tank Heater Capacity	Kw	18	36
Rinse Tank Heater Capacity	Kw	9	18
Cleaning Temperature	°C	55 - 60	60 - 70
Hot Air blowing Temperature	°C	75 - 80	80 - 90
Vacuum Drying Pump Capacity	HP	1	1.5
Ultrasonic Cleaning Frequency	KHz / Watts	25 KHz / 1500 Watts	25 – 28 KHz / 3000 Watts
Cleaning Basket Dimension	mm	400 x 300 x 200 mm (L x W x H)	670 x 480 x 300 mm (L x W x H)
Voltage	V	230/415	230/415
Phase	Ph	3	3
Timer	Min	1-60	1-60
Length	mm	1600	1900
Width	mm	2400	3200
Height	mm	2700	3100
Gross Weight	Kgs	1250	1900
Power Requirements	Kw	42- 45	65-70

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