

SONICTRON

COMPANY PROFILE



FABRICATION PLANT

Sonictron operated in various premises since its inception. Over the years, space was one of the constraint, especially for the customized machinery. Therefore, we have moved to our own premises in Klang since May 2016.

THE CURRENT PRODUCTION AREA IS ABOUT 3,300 SQ FEET AND ABLE TO SUPPORT OUR CURRENT GROWTH PLANS, THE WHOLE FACTORY IS 5,700 SQ FEET.

COMPANY OVERVIEW

SONICTRON SDN BHD (SSB) is a company that specializes in manufacturing of precision cleaning equipment. Our equipment engulfs various cleaning properties, mainly in ‘degreasing’, ‘defluxing’ and ‘particle cleaning’.

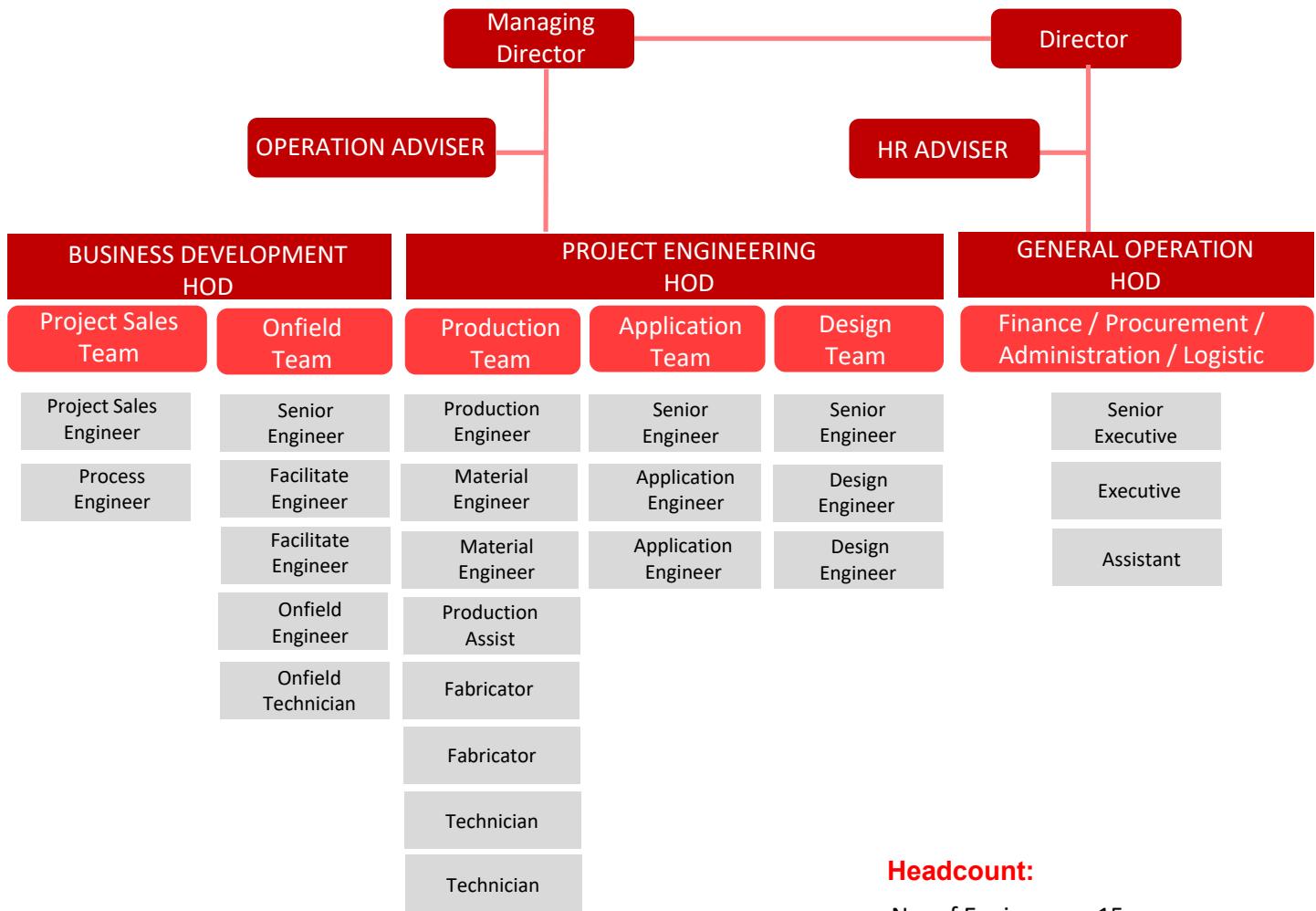
In 2004, SSB was established to serve various industries with their cleaning application and solutions. SSB transited from a solution provider into a manufacturer in 2009, the same year it was awarded the ASIA PACIFIC EXCELLENT BRAND by Global Business Magazine.

The founder of SSB has great passion in such engineering product and is delicate in contributing to his sector within the industry. He has over 20 years of experience in this discipline. Having worked strategically in many local and international projects with a team of strategic partners, (namely the project designer, integrator and programmer) for over 15 years; SSB has successfully carved its name in the South East Asian market. Its presence has touched the shores of Singapore, Philippines, Vietnam and Australia. SSB also charted impressive track records with over 50% of their sales coming from Japanese customers in the region.

AS PART OF OUR EXTENDED PRODUCT PORTFOLIO, WE REPRESENT A FEW TECHNOLOGY PARTNERS SUCH AS CLEANING CHEMICALS, ULTRASONIC SYSTEM, LIGHT SCALE TABLE-TOP CLEANER, ETC.

The name “Sonictron” reflects our strong belief in the speed of sonic technology, which is premised for the usage in our cleaning methodology and approach. We believe sonic cavitation provides the required precision in this form of cleaning. We wish to share our knowledge and developments of such applications in creating a better cleaning solution for all.

COMPANY ORG CHART



Headcount:

No. of Engineer : 15 person

No. of Technician : 5 person

Total Workforce : 26 person

01. About Us

ISO 9001:2015



Excellence Brand Award



CORE CAPABILITY & COMPETENCY

Sonictron's International Control System

Sonictron has targeted to obtain ISO accreditation by year 2018 to provide additional assurance of its quality to customers. However, despite not having ISO accreditation at present, the Company operates within a strict set of internal control systems developed by the Management. This internal control framework governs the overall “Project Management for Integrated Solutions” which encompasses sub-components including its Servicing Operations.

This framework is robust yet effective; spanning from Application towards Designing of any required deliverables. It moves on to production controls, which subsequently leads to customer Buy-Off. Once that is achieved, the product will go through Commissioning. After commissioning and handover, an Instruction Manual would be issued for reference and guidance to the end-user. This framework is visually depicted as in the following diagrams:

02. Products Series

- **SSQ** I HybridClean Series
- **SAQ** I AquaClean Series
- **SHC** I HydroClean Series
- **SVD** I VaphaClean Series
- **SSC / SBC / TSC** I SmtClean Cleaning Series
- **SUE** I Ultrasonic + Electrolysis Cleaning Series
- **SS / SD / MDL / MH** I Customize Cleaner Series
 - I Paint Stripping Series
 - I Modular Cleaner Series
 - I Single Tank Cleaner Series
- **SUG / SI / ST** I Immersion Ultrasonic
 - I Tubular Ultrasonic
- **TUC-P / POWERSONIC** I Bench-Top Ultrasonic Cleaner

Sapphire Glass / Lens / Lead-Frame Cleaning Application

SSAQ

HybridClean Series

SEMI-AQUEOUS



Sonictron's SSAQ series cleaning system in multi-process technology consist with

**MULTI-FREQUENCY CLEANING,
MULTI-LIFTING & TRANSFER
MECHANISM AND MULTI-
PROCESS RECEIPE PROGRAM**

The system capable with slow-pull, swing agitation or hot air or vapor dry mechanism.



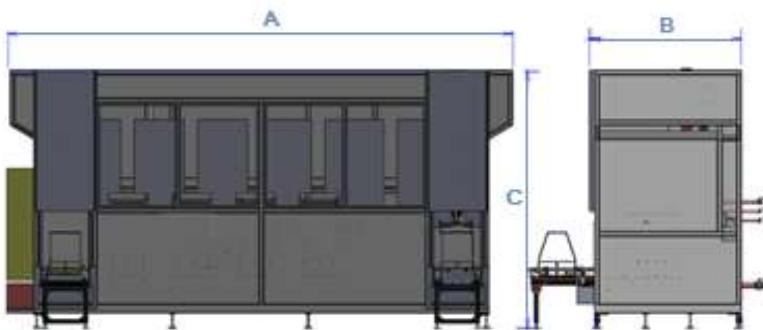
*Technology Apply :OPTIMISATION on System Settings & System Design via
Understanding of Your Parts Cleaning Requirement & Solutions being apply.*

SSAQ-FA5



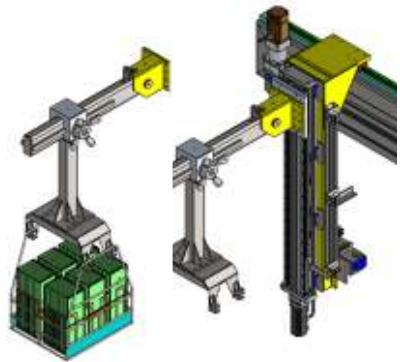
Sonictron's **SAQ-FA5** series Flux Cleaning System is specifically engineered to meet the demanding requirements of lead-frame cleaning in the Semiconductor Industry. With its specialized design and advanced capabilities, it offers optimal performance and reliability.

The SAQ-FA5 series utilizes a proven process with high output washing capacity. Its agitate and slow pull method ensures effective cleaning and drying, removing flux residues from lead-frames while minimizing the risk of component damage.

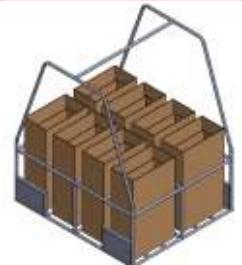


FLUX CLEANING

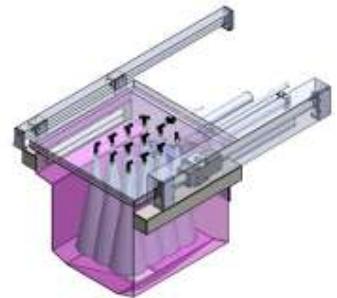
**Heavy Duty
Robotic
Transfer Arm in
Motion-H-G2
Design**
Concept with
Intelligent
programing
compatible with
SECS/GEM
data system



**Basket design for
8 nos.
magazine
cleaning capability**



**High
Efficiency
Hybrid
Air Blow
Drying
Mechanism**



TECHNICAL SPECIFICATION

Machine Overall Dimension (AxBxC)	5560x1650x2900mm (LxWxH)
Process	5 stages (1W-2R-3R-4R-5D)
Tanks Volume	150L
Cycle time	15min/basket
Filtration System	Double filtering
Ultrasonic Power	1200W
Dual Frequency Ultrasonic	25 / 45 kHz
Liquid Heater (for Stage 1, 2, 3 & 4)	Inline Heating @ 6000W
Machine Construction	Fully stainless steel
Loading & Unloading	Fully-auto chain roller
Power Source	380-415VAC, 3Ph, 100A

Automotive / Metal Processing Cleaning Application

SAQ

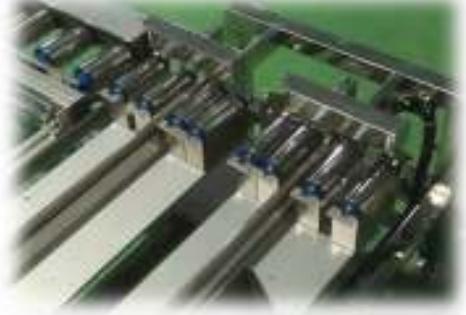
AquaClean Series

AQUEOUS

Sonictron's SAQ series cleaning system in multi-process technology consist with

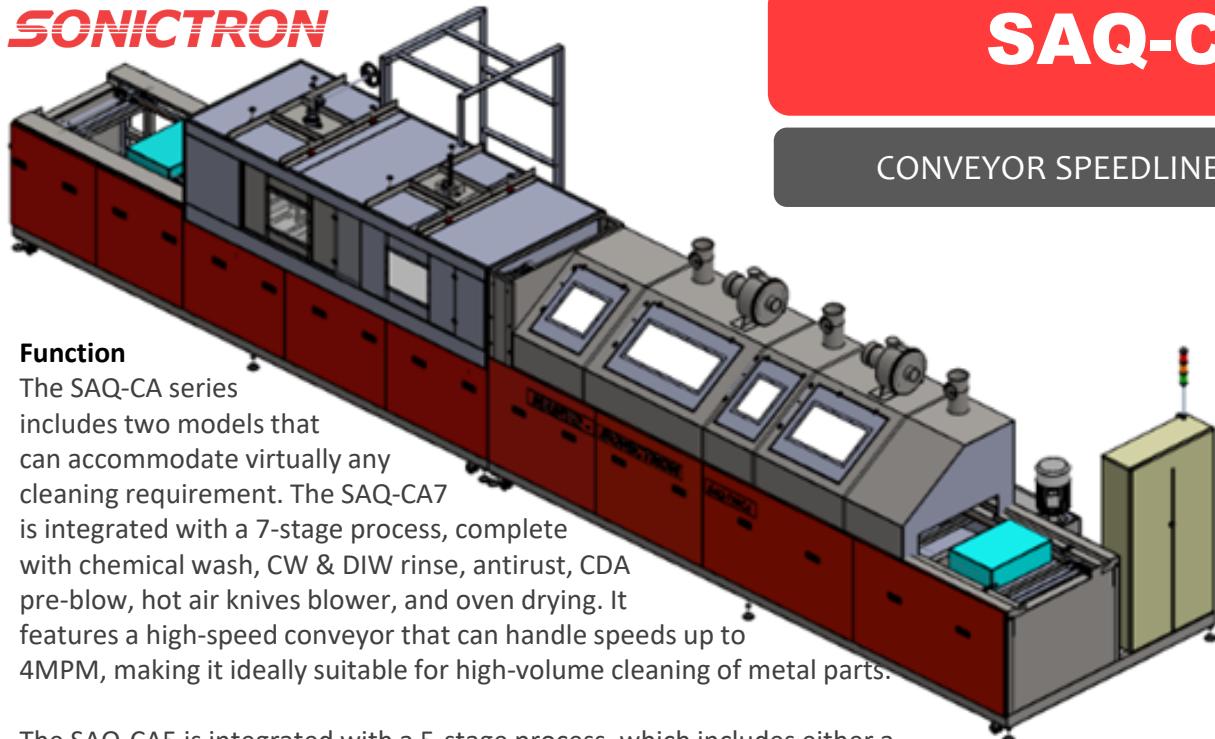
IMMERSION ULTRASONIC OR SPRAY CLEANING & SINGLE - ARM AND CONVEYORIZED TRANSFFER MECHANISM

The system with addition features for oil separation, Chip separation and others treatment capability.



Technology Apply :**OPTIMISATION** on System Settings & System Design via Understanding of Your Parts Cleaning Requirement & Solutions being apply.

CONVEYOR SPEEDLINE CLEANING

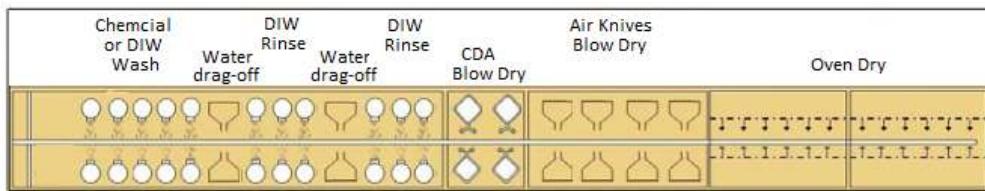
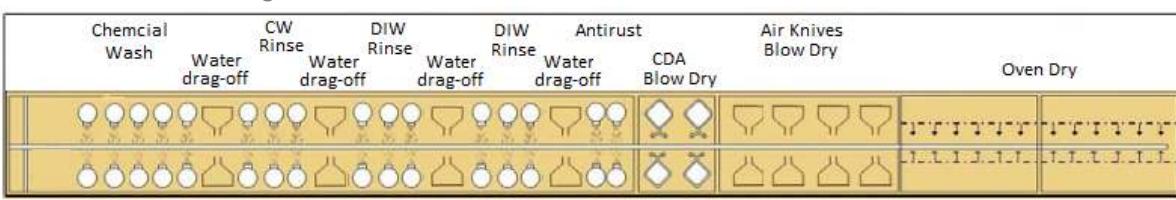


Function

The SAQ-CA series includes two models that can accommodate virtually any cleaning requirement. The SAQ-CA7 is integrated with a 7-stage process, complete with chemical wash, CW & DIW rinse, antirust, CDA pre-blow, hot air knives blower, and oven drying. It features a high-speed conveyor that can handle speeds up to 4MPM, making it ideally suitable for high-volume cleaning of metal parts.

The SAQ-CA5 is integrated with a 5-stage process, which includes either a chemical or DIW wash, DIW rinse, and drying with either CDA, air knives, or an oven. The SAQ-CA5 offers space-saving benefits and excels in cleaning water-soluble flux, mild oil, and dust.

Process Flow Configuration



Variable Choice Conveyor Belting

SPECIFICATION

Machine Dimension (LxWxH))

SAQ-CA7 Variable from 10-17mtrs (L) x 1.8-2.3mtrs (W)

SAQ-CA5 Variable from 6-10mtrs (L) x 1.5-1.8mtrs (W)

Cleaning Object Size Capability Between 300-1000mm

Conveyor Speed Adjustable from 1.0-4.0 MPM

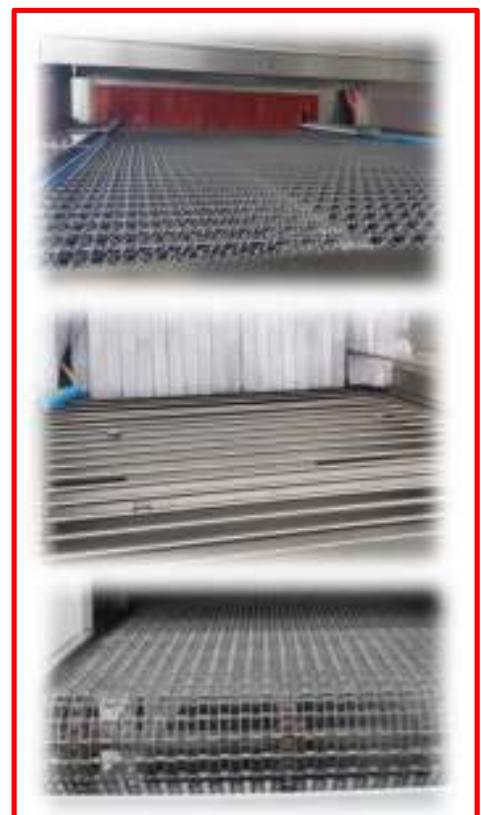
Suitable For Metal stamp part, Casting parts, PCB, Plastic container

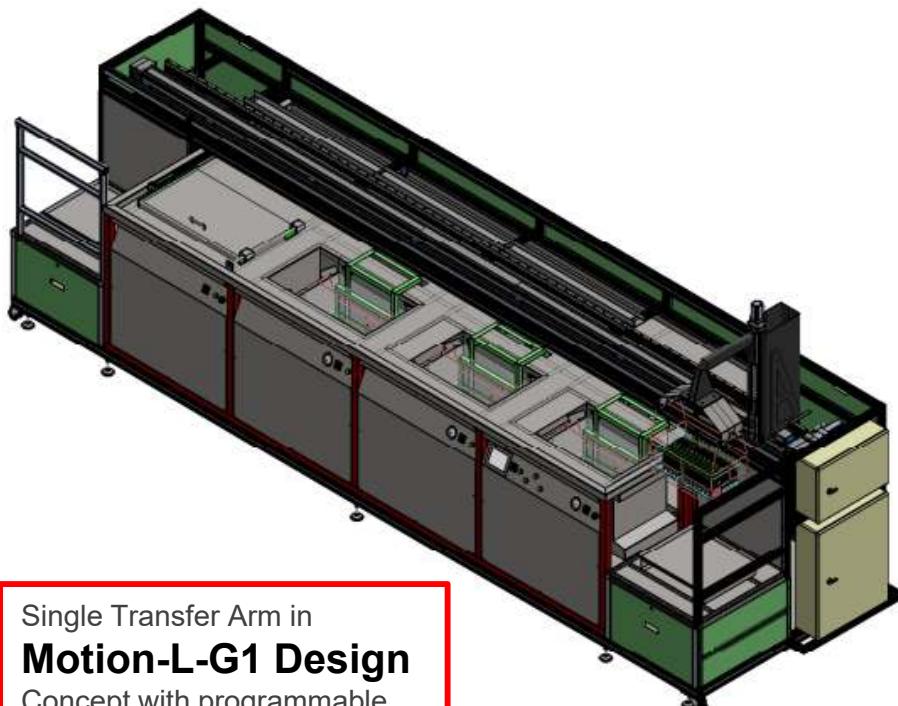
Exhaust Link to Mist Collector which Integrated

Power Source 380-440VAC, 3Ph, 50Hz

Water Inlet 1" UPVC sch80#

Drainage 2" UPVC sch80#





**Single Transfer Arm in
Motion-L-G1 Design**

Concept with programmable
moving control



MULTI-STAGES AQUEOUS CLEANING

Sonictron's **SAQ-FA** series is an aqueous-based cleaning system. This fully-automatic system is specially designed with a multi-stage process that includes wash, rinse, anti-rust, and drying applications. It has been proven to effectively remove contaminants like surface oils and water-based coolant from both metal and non-ferrous metal surfaces. The system offers flexible cleaning methods and is an economical solution for meeting critically precise cleaning needs.

Programming / Control

The cycle of the respective process in the SAQ-FA system is freely programmable using a PLC. The system allows for recipe selection and parameter setting through an HMI screen interface. Additionally, there is an option for WIFI capability.

TECHNICAL SPECIFICATION

Machine Overall Dimension (LxWxH1/H2)	Cleaner overall size in flexible base on tank size as requested as guideline
Tank Dimension (LxWxH)	In Flexible range between 0.01-0.15m3
Basket Dimension (LxW) (basket dept in flexible adjust base on parts required)	In Flexible base on parts size as guideline
Process	4 stages (W1-R2-RA3-D4)
Tanks Volume	Within 15 - 100L
W1 & Rc1 by Ultrasonic [Power]	300 600 900 1200 1500 1800 2100 2400 Watt
Ultrasonic frequency	25 28 40 68 80 130 170 kHz
R3 by showing + Air Blow [Pressure]	1-2 bar / 4-5 bar
D4 by Hot air Blow [°C & cfm]	80-100°C / 800-1200 cfm
Machine Handling	FULLY-AUTO
Loading & Unloading	Decker or Auto Conveyor (Optional)
Power Source	415VAC, 3Ph, 50Hz

MULTI-STAGES AQUEOUS CLEANING

Function

The SAQ-M series is integrated with a 4-stage process, complete with wash, rinse, shower rinse + air gun pre-blow, and hot air drying. The system consists of features such as ultrasonic cleaning, heating, overflow filtration, and more. Additionally, the system is designed with customized baskets for parts handling based on specific requirements. This 4-stage system has been proven to effectively remove mild oil and coolant contaminants from both metal and non-ferrous metal surfaces. It offers flexible cleaning methods in an economical manner.

OPTION with portable DI water column enhance water quality for rinsing process

Programming / Control

SAQ-M the cycle of the respective 4STEP process programmable in PLC with HMI touch screen interface for parameter setting.



TECHNICAL SPECIFICATION

Machine Overall Dimension (LxWxH1/H2)	Cleaner overall size in flexible base on tank size as requested as guideline
Tank Dimension (LxWxH)	In Flexible range between 0.01-0.15m ³
Basket Dimension (LxW) (basket dept in flexible adjust base on parts required)	In Flexible base on parts size as guideline
Process	4 stages (W1-R2-RA3-D4)
Tanks Volume	Within 15 - 100L
W1 & Rc1 by Ultrasonic [Power]	300 l 600 l 900 l 1200 l 1500 l 1800 l 2100 l 2400 Watt
Ultrasonic frequency	25 l 28 l 40 l 68 l 80 l 130 l 170 kHz
R3 by showing + Air Blow [Pressure]	1-2 bar / 4-5 bar
D4 by Hot air Blow [°C & cfm]	80-100°C / 800-1200 cfm
Machine Handling	Manual
Power Source	415VAC, 3Ph, 50Hz

Metal Processing Cleaning Application

SHC

HydroClean Series



HYDROCARBON

Sonictron's SHC series cleaning system cater for variable metal parts cleaning, system consist with special features such as **VACUUM & SUCTION MECHANISM** to accelerate the dry.

Furthermore, due to flammability the cleaning system consist with **AUTO FIRE EXTINGUISHER CO2 SYSTEM** to ensure system in safe- mode operating.

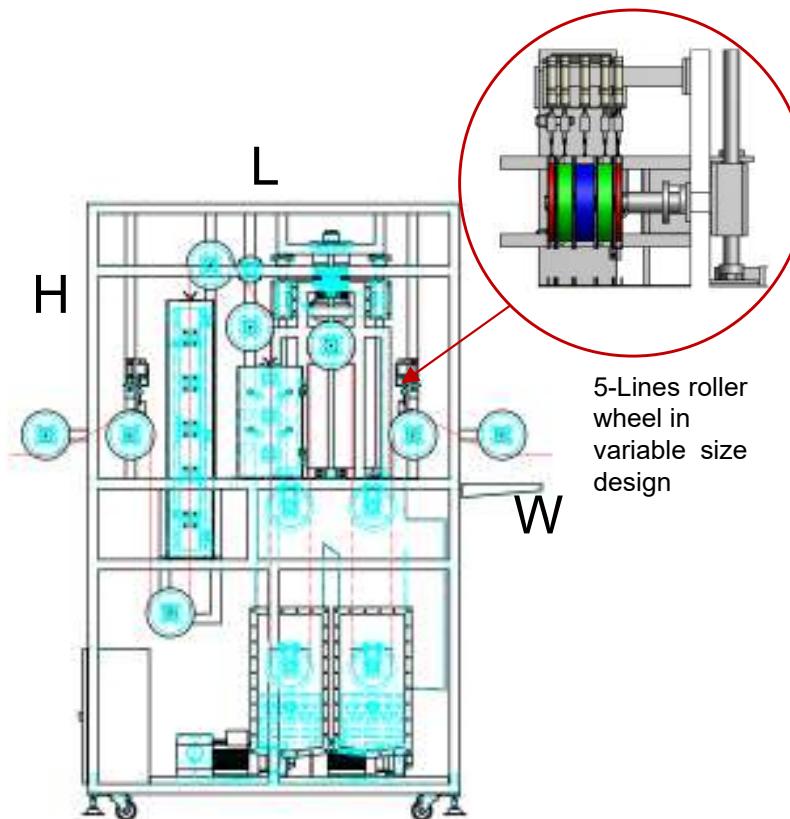
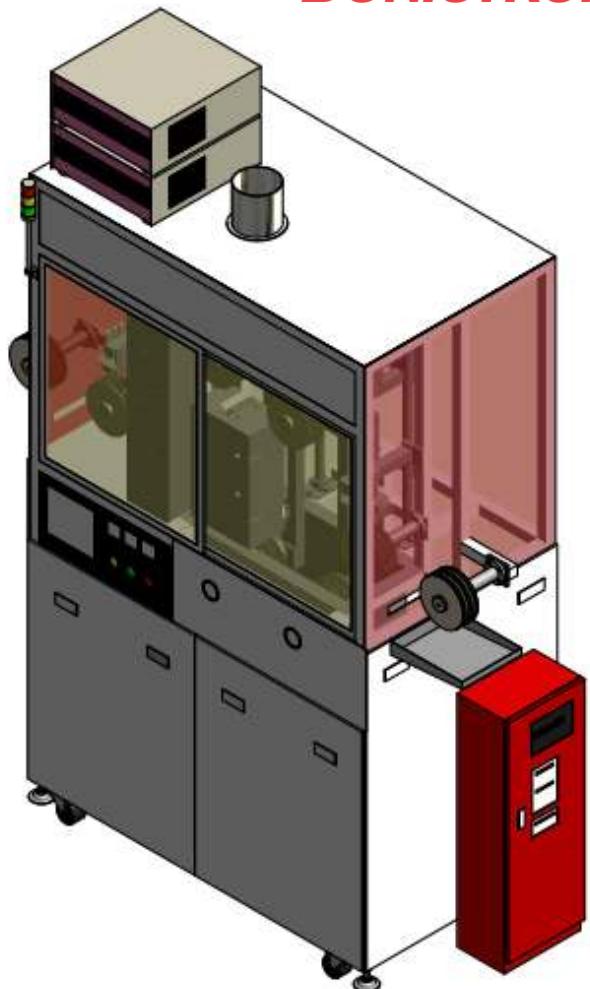


Technology Apply :OPTIMISATION on System Application & Design via Understanding of Your Parts Cleaning Requirement & Solutions being apply.

SHC-RA

REEL TO REEL CLEANING

Sonictron's SHC-RA3 series Reel to Reel System is a specialized solution designed specifically for lead-frame cleaning applications in the Metal fast stamping Industry. This system has been carefully engineered to meet the unique requirements of the industry, delivering exceptional performance and reliability.



TECHNICAL SPECIFICATION

Machine Overall Dimension	1500x900x2300mm (LxWxH)
Process	3 stages (1W-2W-3D)
Tanks Volume	each 60L
Cycle time	15min/basket
Filtration System	Close-loop filtering
Ultrasonic Power	1200W
Ultrasonic Frequency	28 kHz
Cooling Jacketing (for Stage 1 & 2)	Chill Water
Machine Construction	Mild steel with pint costing
Transfer Mechanism	Reel to Reel Roller Wheel
Power Source	200-415VAC, 3Ph, 60A

Metal Precision Parts / Substrate Cleaning Application

SVD

VaphaClean Series



HALOGENATED SOLVENT

Sonictron's SVD series cleaning system is one of simple & fast process with great combination of **LOW SURFACE TENSION OF SOLVENT BY VAPORIZING PROCESS**

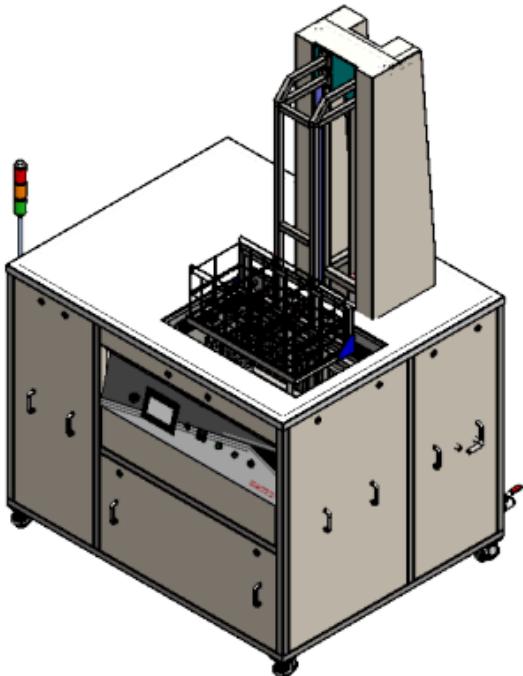
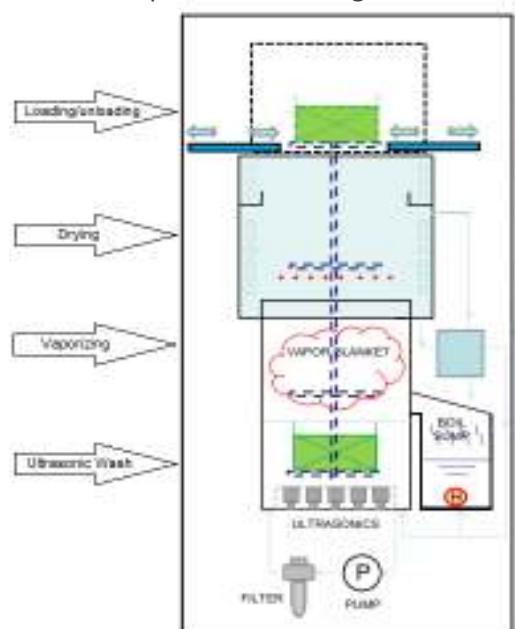
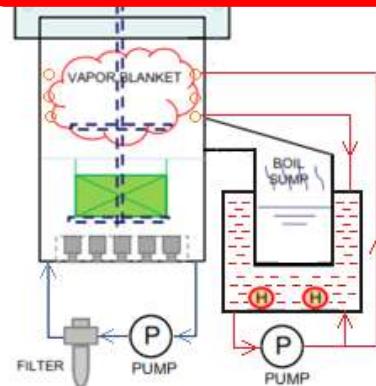
AUTO LIFTING WITH SLOW-PULL TRANSFFER MECHANISM

to achieved optimum precision cleaning result.



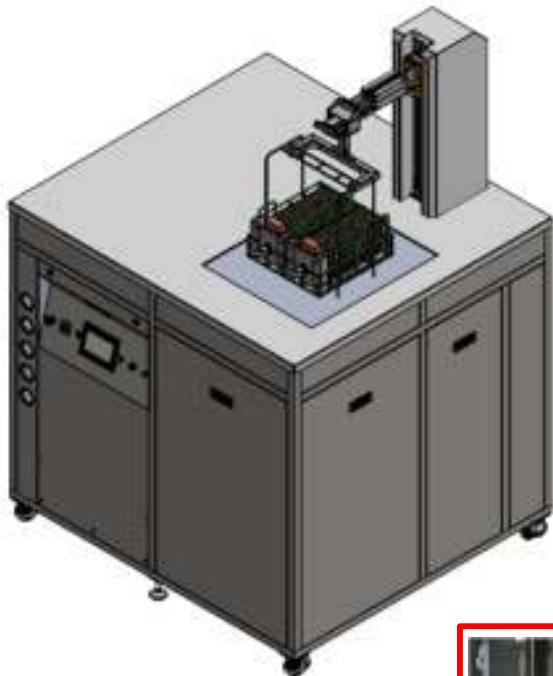
Technology Apply :OPTIMISATION on System Application & Design via Understanding of Your Parts Cleaning Requirement & Solutions being apply.

VERTICAL MONO-SOLVENT CLEANING


Option Feature
Superheat Vapor (SH)


ECHANICAL SPECIFICATION	MODEL		
	SVD-MoV30	SVD-MoV60	SVD-MoV100
Machine Footprint	Within 1.5sqmtr	Within 2.3sqmtr	Within 2.6sqmtr
Tank Dimension	Flexible base on tank volume as guideline		
Wash Tank Volume Range ($\pm 30\%$)	$\leq 30L$	$\leq 60L$	$\leq 100L$
Basket size	Flexible dimension base on parts & tank volume as guideline		
Machine Handling Mechanism	Vertical Auto Lifting		
Filtering	10 micron	10 micron	10 micron
Ultrasonic Power Frequency (kHz)	600W 28 / 40 / 68 / 80 / 132 / 170	1200W 28 / 40 / 68 / 80 / 132 / 170	2400W 28 / 40 / 68 / 80 / 132 / 170
Heating Capacity	2000W	3000W	3000W
Machine Construction	Fully stainless steel		
Power Source	380-415VAC, 3Ph		

VERTICAL MONO-SOLVENT CLEANING

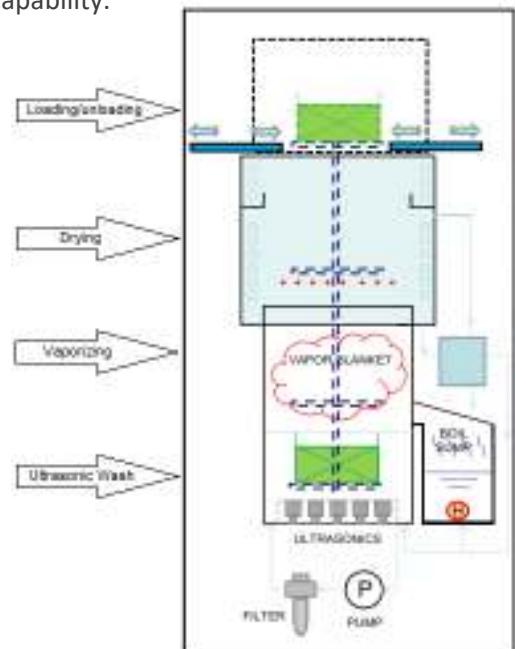


Servo Drive Auto Lifter Handling



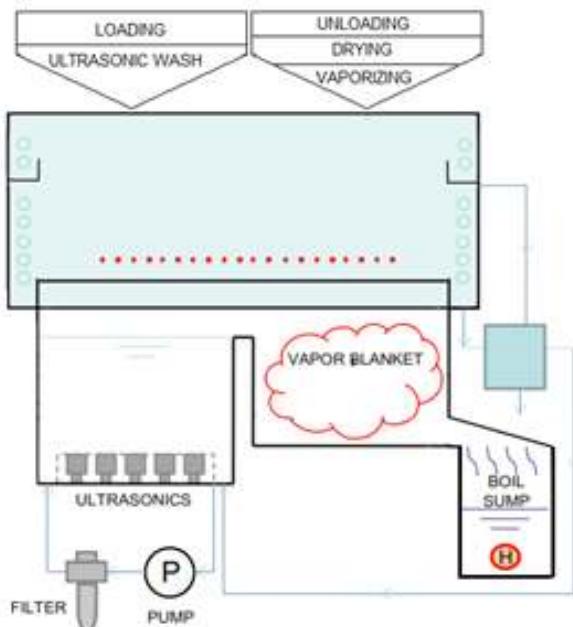
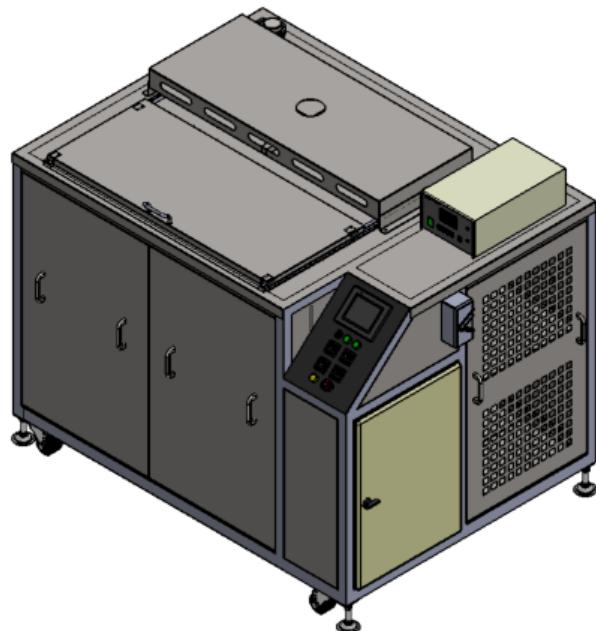
Easy Maintenance Service Flange

Press Fit Air-tight Top Lid



ECHANICAL SPECIFICATION	MODEL		
	SVD-MoV30	SVD-MoV60	SVD-MoV100
Machine Footprint	Within 1.5sqmtr	Within 2.3sqmtr	Within 2.6sqmtr
Tank Dimension	Flexible base on tank volume as guideline		
Wash Tank Volume Range ($\pm 30\%$)	$\leq 30\text{L}$	$\leq 60\text{L}$	$\leq 100\text{L}$
Basket size	Flexible dimension base on parts & tank volume as guideline		
Machine Handling Mechanism	Vertical Auto Lifting		
Filtering	10 micron	10 micron	10 micron
Ultrasonic Power Frequency (kHz)	600W 28 / 40 / 68 / 80 / 132 / 170	1200W 28 / 40 / 68 / 80 / 132 / 170	2400W 28 / 40 / 68 / 80 / 132 / 170
Heating Capacity	1500W	2000W	3000W
Machine Construction	Stainless Steel Frame / Steel Powder Coating Cosmetic Panel		
Power Source	380-415VAC, 3Ph		

HORIZONTAL MONO-SOLVENT CLEANING



Function

The SVD-MoHm allows for manual handling in a horizontal orientation, going through either a 1STEP or 2STEP ultrasonic cleaning process, followed by vaporizing and drying. The system features a chiller for cooling the freeboard, a separator tank for water/solvent separation, and a closed-loop filtration system. Additionally, the system is equipped with a customized design basket for parts handling.

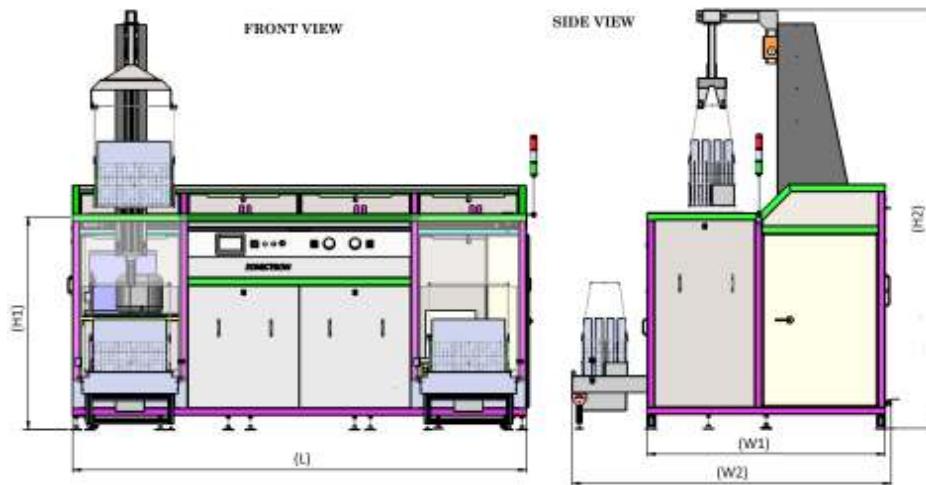
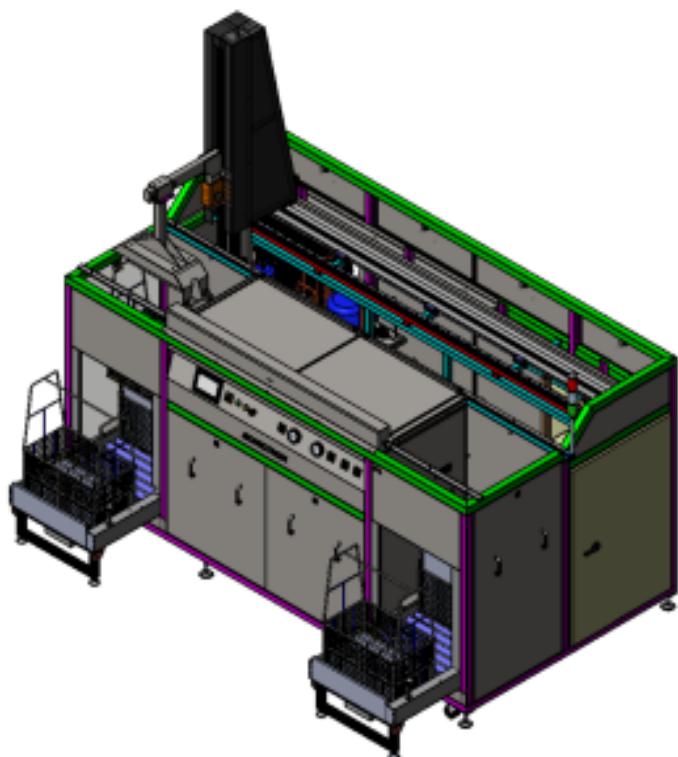
Programming / Control

SVD-MoHm the cycle of the respective 2STEP or 3STEP process programmable in PLC with touch screen interface for parameter setting.



TECHNICAL SPECIFICATION	MODEL		
	SVD-MoHm30	SVD-MoHm60	SVD-MoHm100
Machine Footprint	Within 1.8sqmtr	Within 2.3sqmtr	Within 2.6sqmtr
Tank Dimension	Flexible base on tank volume as guideline		
Wash Tank Volume Range ($\pm 30\%$)	$\leq 30L$	$\leq 60L$	$\leq 100L$
Basket size	Flexible dimension base on parts & tank volume as guideline		
Machine Handling Mechanism	Horizontal Manual		
Filtering	10 micron	10 micron	10 micron
Ultrasonic Power Frequency (kHz)	600W 28 / 40 / 68 / 80 / 132 / 170	1200W 28 / 40 / 68 / 80 / 132 / 170	2400W 28 / 40 / 68 / 80 / 132 / 170
Heating Capacity	2000W	3000W	4000W
Machine Construction	Fully stainless steel		
Power Source	380-415VAC, 3Ph		

HORIZONTAL MONO-SOLVENT CLEANING



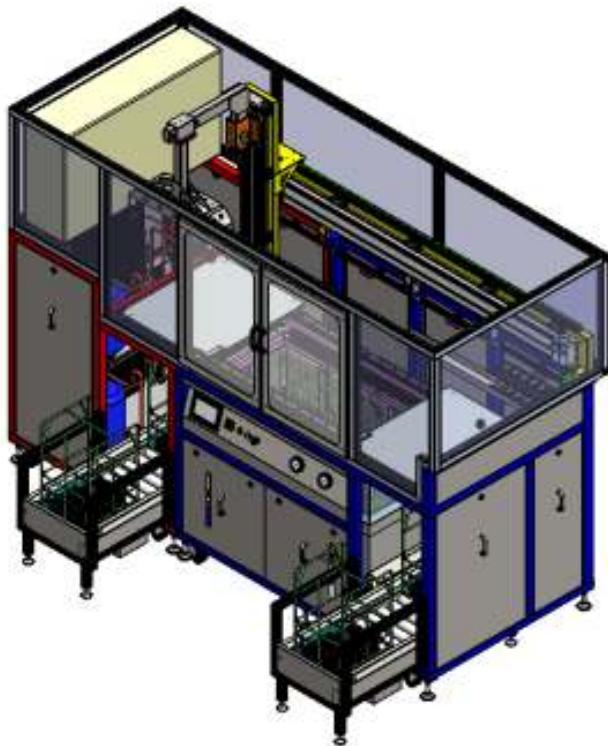
Transfer Arm in
MOTION-H G2
Design Concept in
heavy duty with
Intelligent
programming



TECHNICAL SPECIFICATION

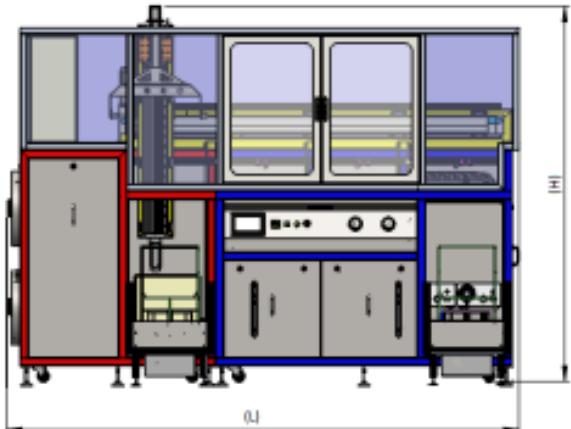
Machine Overall Dimension (LxW1/W2xH1/H2)	3100x1650/2200x1500/2900mm
Tank Dimension (LxWxH)	Flexible base on basket size as guideline
Basket Dimension (LxW) (basket dept in flexible adjust base on parts required)	Flexible base on parts size as guideline
Process	2 stages (1W-1VD)
Tanks Volume	Within 100-120L
Chiller	Dual Chiller System
Ultrasonic Power / Frequency	1500W / 40kHz
Liquid Heater (for Stage 1 & 2) (heating power in flexible base on tank volume)	2 - 4 kw
Machine Handling	Motion-H G2
Loading & Unloading	Motorized Roller Conveyor
Power Source	380-415VAC, 3Ph, 60A

HORIZONTAL CO-SOLVENT CLEANING

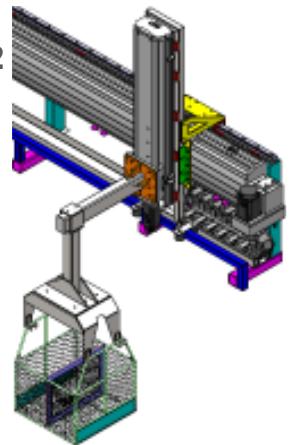


FRONT VIEW

SIDE VIEW

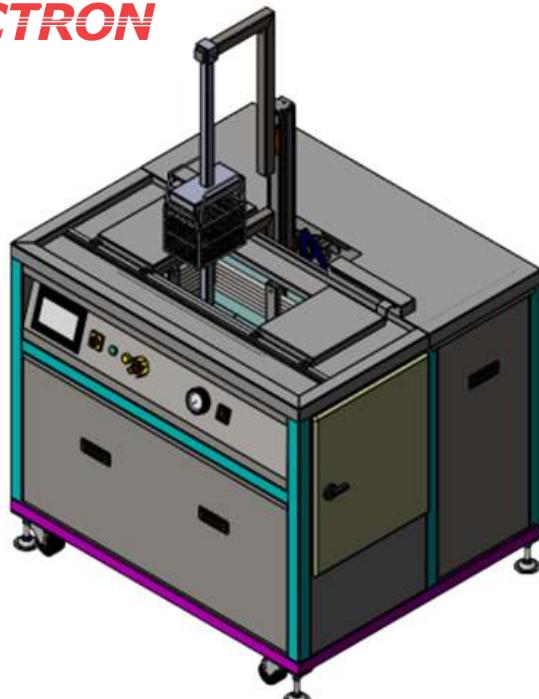


Transfer Arm in
MOTION-L-G2
Design Concept
in Light-duty
with Intelligent
programming



TECHNICAL SPECIFICATION

Machine Overall Dimension (LxW1/W2xH1/H2)	3100x1650/2200x1500/2900mm
Tank Dimension (LxWxH)	Flexible base on basket size as guideline
Basket Dimension (LxW) (basket dept in flexible adjust base on parts required)	Flexible base on parts size as guideline
Process	3 stages (1W-1R-1VD)
Tanks Volume	Within 100-120L
Chiller	Dual Chiller System
Ultrasonic Power / Frequency	1500W / 40kHz
Liquid Heater (for Stage 1 & 2) (heating power in flexible base on tank volume)	2 - 4 kw
Machine Handling	Motion-H G2
Loading & Unloading	Motorized Roller Conveyor
Power Source	380-415VAC, 3Ph, 60A



SVD-MoHC

HORIZONTAL CO-SOLVENT CLEANING

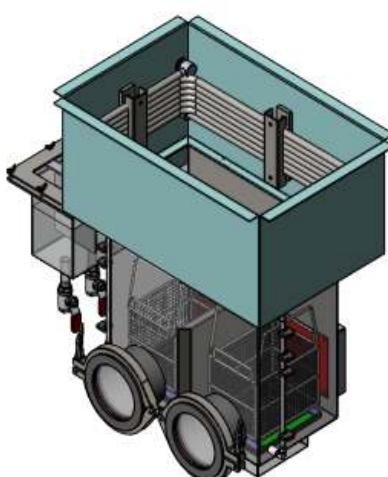
Sonictron's SVD-CoHC series Mono-solvent vapor degreaser is compact series special design to meet small footprint required, the machine with combine 2 solvent cleaning application by Promosolv 70 & Topkleen EL20A, This system is proven to effectively remove contaminants such as solder flux & solder paste. From any rugged industrial to critically precise needs, SVD-CoHC vapor degreaser systems can meet your company's cleaning demands.

Programming / Control

SVD-CoHC the cycle of the respective process is freely programmable in PLC with recipe selecting HMI screen interface for parameter setting with IoT capability.

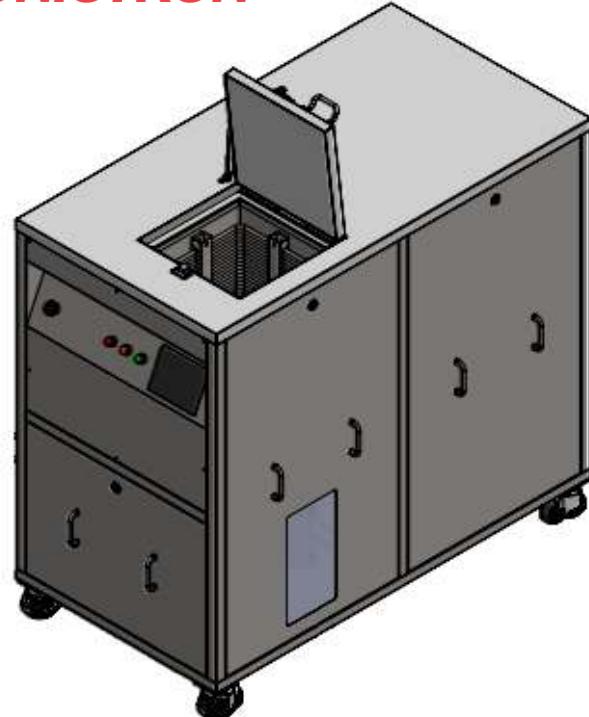


Internal Tank Construct Configuration

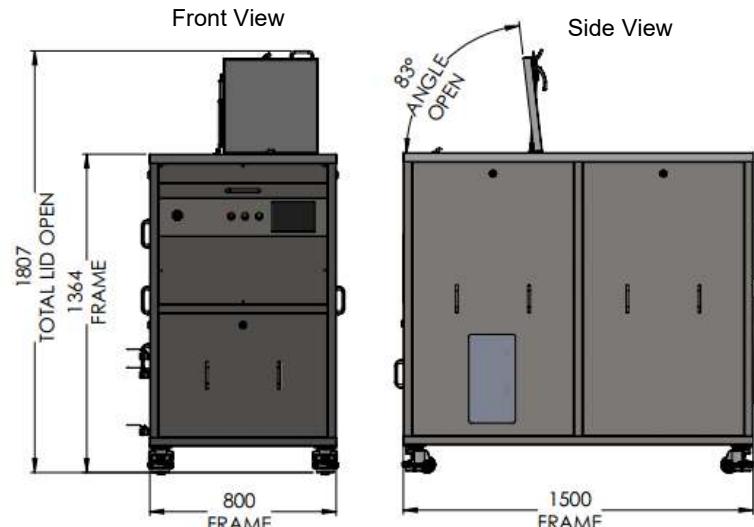


TECHNICAL SPECIFICATION

Machine Overall Dimension (LxWxH1/H2)	1300x1100x1200/2000mm
Tank Dimension (LxWxH)	In Flexible range between 0.01-0.15m ³
Basket Dimension (LxW) (basket dept in flexible adjust base on parts required)	In Flexible base on parts size as guideline
Process	3 stages (1W-1R-1VD)
Tanks Volume	Within 10 - 15L
Chiller	Single Chiller System
Ultrasonic Power / Frequency	300W / 40kHz
Liquid Heater (for Stage 1 & 2) (heating power in flexible base on tank volume)	0.5 – 1.0 kw
Machine Handling	Motion-L-G1
Power Source	240VAC, 1Ph, 13A



SOLVENT RECYCLE MODULE



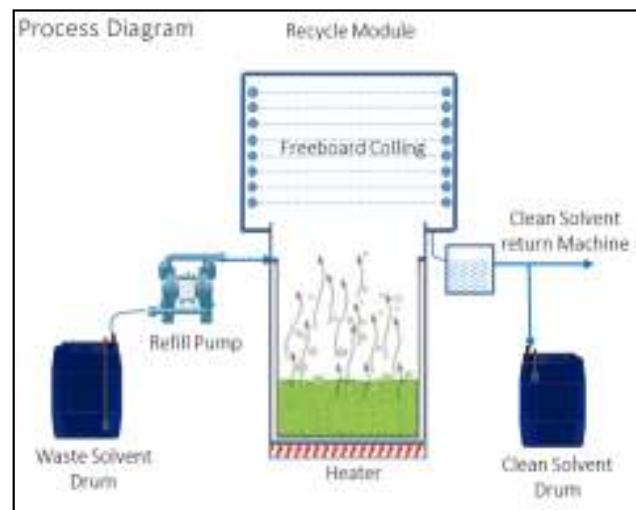
The SVD-R20 is a standalone portable recycle module with an all stainless steel chassis, a small footprint, temperature classification setting, and simple operation.

This solvent recycling industrial cleaning machinery functions as an air-cooled, economical, and practical solution. The device utilizes a solvent regeneration process by placing the waste solvent to be regenerated into the tank inside the device. It employs a heater embedded in the bottom of the tank to heat the solvent to the desired temperature, facilitating vaporization for removal. The distillation regeneration system then cools the vapor through a condenser, converting it back into a liquid state. This process allows for a recovery rate of up to 90-95%.



TECHNICAL SPECIFICATION

Machine Overall Dimension (LxWxH)	700x1300x1300mm
Tank Dimension (LxWxH)	250x250x700mm
Feed Volume	20L
Recycling Capacity	20-30 LPH
Chiller Capacity	2HP
Power Source	240VAC, 1Ph, 13A, 50Hz
Max Power	4.0 kw
Net Weight	480kgs



The Machine Features:

- Applications span several solvents
- Chlorinated, Brominated & Fluorinated
- Provides clean, simple residue disposal
- Available in continuous and batch-type models
- Indirect heating system & high insulation
- Condenser Cooling System: Air Cooled
- Temperature sensor on the points and status of implementation of monitoring machine operation

Stencil cum Misprint PCBA Cleaning Application

**SBC/ SSC/
TSC**

SmtClean Series



AQUEOUS / SEMI-AQUEOUS

Sonictron's SBC / SSC series was special design in term of process is to suit SMT cleaning criterial

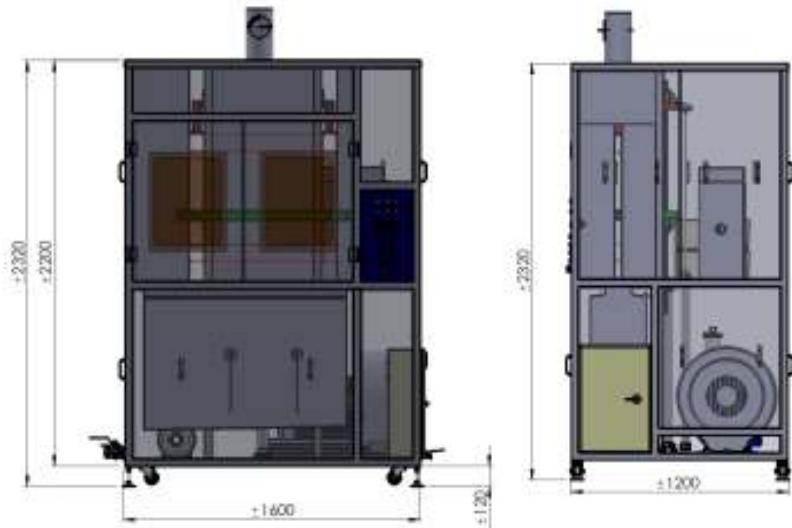
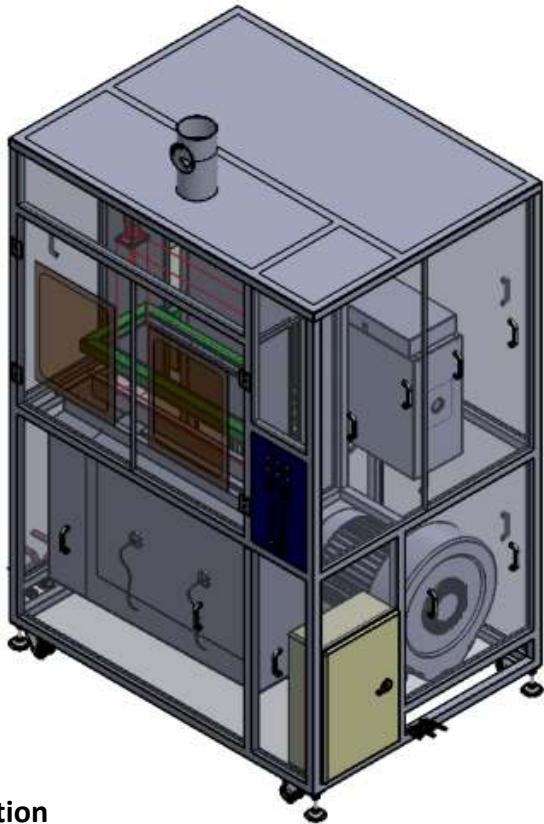
**SMALL FOOTPRINT,
STANDALONE CONCEPT
CATER FOR WASH, RINSE &
DRY IN ONE CONSOLE**

The system capable with swing agitation, ultrasonic or spray washing and Hot air + CDA blow dry to achieved the optimum dry result.



*Technology Apply :OPTIMISATION on System Application & Design via
Understanding of Your Parts Cleaning Requirement & Solutions being apply.*

STANDALONE 2IN1 CLEANING



Function

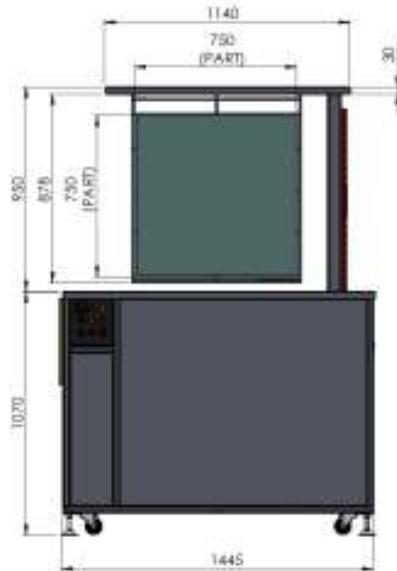
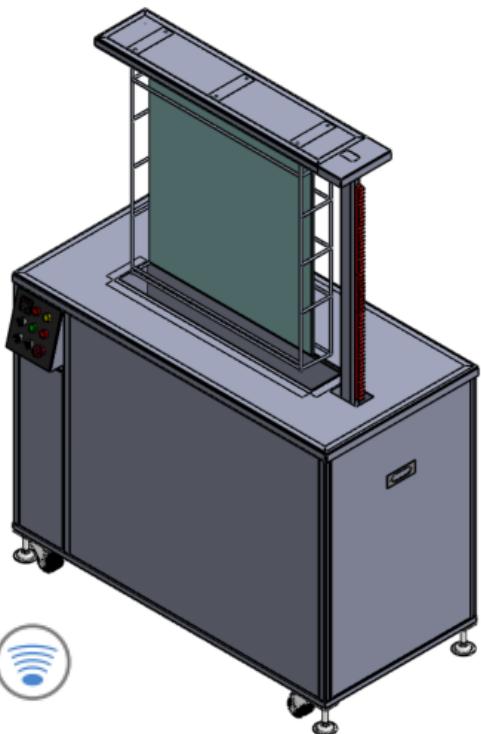
The SSC-FA is loaded from the front through an open swing door. The STENCIL/MIS-PRINT PCBA is placed directly into the Flexi-adj spring holder, which can accommodate sizes from 650-750mm. Once loaded and the front door is closed, the process cycle can be activated by pressing START. The fully automatic 2-STEP process includes ultrasonic cleaning using an auto liter and reciprocating hot air blow drying.

Programming / Control

The SSC-FA is controlled by a PLC. The cycle time of the respective 2STEP process can be freely programmed in the PLC, and parameter settings can be adjusted through the touch screen interface.



TECHNICAL SPECIFICATION	SSC-FA	SSC-FAP
Overall dimension (LxWxH)	1600x950x2100mm	1600X1200X2100
Max object handle capability	H650~750mm x W750mm	H650~750mm x W750mm
Cycle time	20-30min	10-15min
Wash Tank capacity	150L	150L
Filtration	10 micron	10 micron
Ultrasonic Power / Frequency	1500W / 40kHz	1500W / 40kHz
Power Source	220-240 VAC, 1Ph	380-415 VAC, 3Ph
Framework & cover	Fully stainless steel	Fully stainless steel
Weight	500kg	600kg
Hot Air Dry	N/A	YES
Blower	N/A	YES
Compress Air	3000 LPM @ 3bar	500LPM @ 3bar



Function

The SSC-SA is designed with an easy-to-load lifting mechanism for stencils or PCBs, accommodating sizes up to 750mm. Pressing the cycle START button activates the automatic transfer into the washing bath for ultrasonic cleaning. In contrast, the SSC-M is a cost-effective version without a lifting mechanism. Both systems share common features such as overflow protection, a circulating pump and filter with pressure gauge, a heater with digital temperature control, and in the case of SSC-M, manual air blow drying using an air gun.

Programming / Control

SSC-SA will be controlled by PLC, the cycle time of the respective CLEANING STEP process is freely programmable in PLC with digital timer setting.

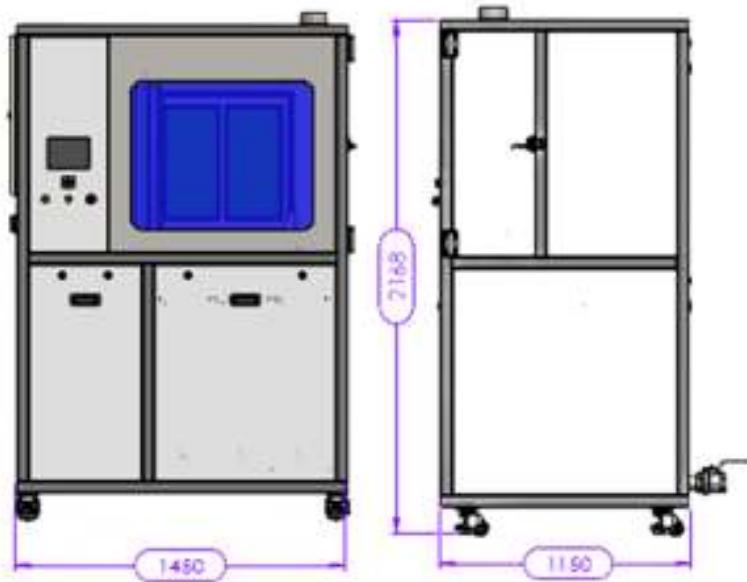
TECHNICAL SPECIFICATION	SSC-SA / SSC-M
Overall dimension (LxWxH)	1450x700x1900/1100mm
Max object handle capability	H550~750mm x W750mm
Cycle time	20-30min
Wash Tank capacity	150L
Filtration	10 micron
Ultrasonic Power / Frequency	1800W / 40kHz
Power Source	380-415-VAC, 3Ph / 240VAC, 1Ph
Framework & cover	Fully stainless steel
Weight	330kg / 300kg
Heating with Temperature controller	YES
Compress Air Required for Air Gun	4-5 bar



SBC-301XL TWIN

STANDALONE SPRAY STENCIL CLEANING

- Stencil
- Squeeze
- Mist-Print PCB before reflow



RECIPROCAL SPRAY

ADJUSTABLE HOLDER

TWIN CLEANING DESIGN

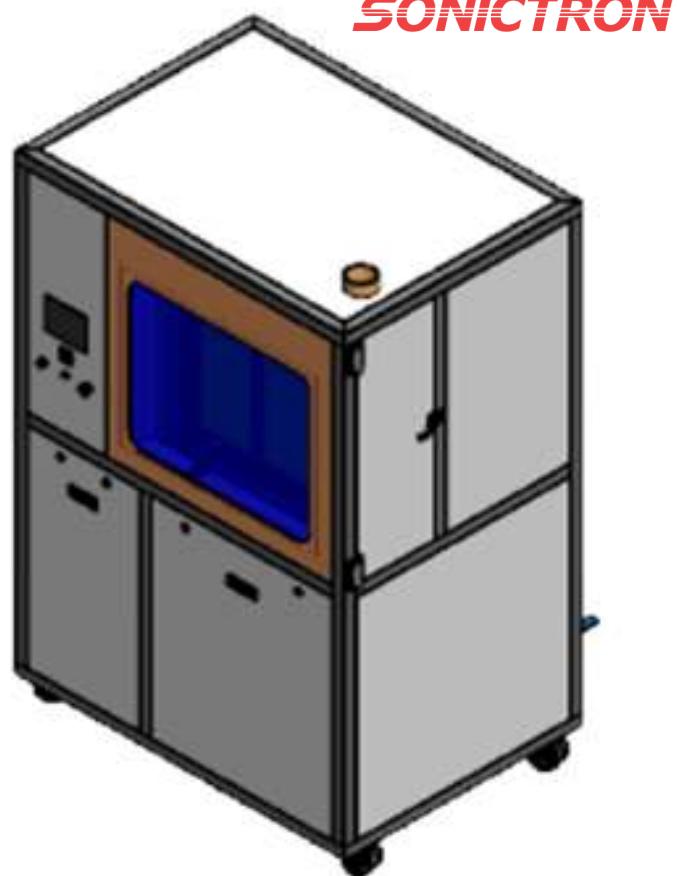
AUTO DISCHARGE HOPPER

SPRAYING CUM FILTRATION SYSTEM

Flow Rate	40-50L/min
Pump Pressure	4-5 bar

TECHNICAL PARAMETER

Machine Dimension (Est)	1500mm x 1100mm x 2200mm (LxWxH)
Power Supply Voltage	3 phase / 415V / 50Hz / 60A
Chamber Size (Est)	1150mm x 800mm x 1450mm (LxWxH)
Heater Capacity	6kW, 415V 3P, Total = 12kW

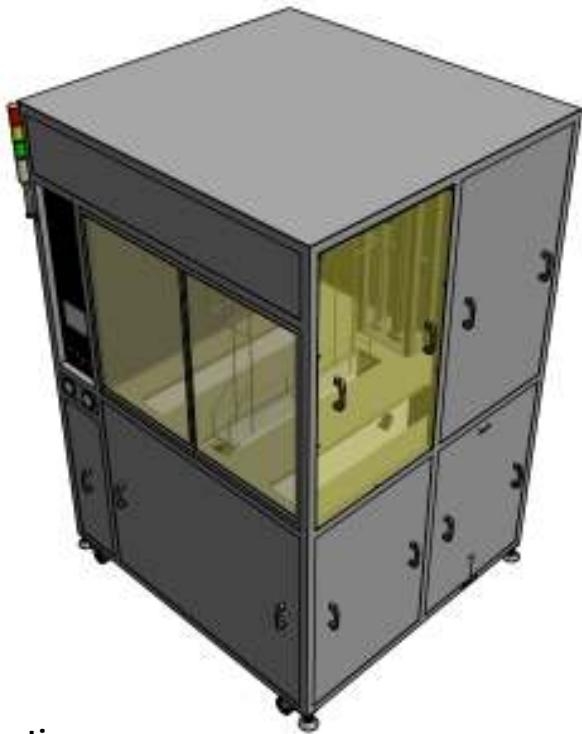


TWIN-WASH CONFIGURATION

Utilizes a reciprocating slider wash mechanism with a reciprocating air blade. This machine is capable to clean up to 750mm x 750mm washing surface. 2 pcs of Stencil or PCB will be positioned in between flat type spray nozzle with 60° Angle vertically, on an adjustable type of PCB holder fabricated in stainless steel material in clamping cage design which will be loaded and unloaded from the side of the machine. During the cleaning process, the nozzle will be horizontally moved using a cylinder. Additionally, an air knife attached to this mechanism for post-cleaning operations.

DESIGN PARAMETER

Cleaning Chemistry	Semi-aqueous EL606
Rinsing Chemistry	DI Water
Drying Method	CDA Blow + Hot Air Dry
Sub Storage	Dual sub storage tank for chemical & water (Tank Capacity: 50L +/-)



STANDALONE STENCIL CLEANING

**Function**

The TSC-FA series will be loaded from front by open sliding door. STENCIL / MISPRINT PCBA will be run thru 2-STEP or 3-STEP cleaning process automatically by transfer arm mechanism, this machine with flexi-process which capable to handle both lead free and non-lead free solder paste, auto fast-agitating mechanic which suitable for misprint PCBA which no allowed for ultrasonic cleaning application, reciprocating CDA Blow dry mechanism to dry-off the parts effectively.

Programming / Control

TSC-FA series will be controlled by PLC, the cycle time of the respective the parameter setting is freely programmable in PLC with HMI interface for parameter setting.



TECHNICAL SPECIFICATION	TSC-20FA	TSC-30FA
Overall dimension (LxWxH)	1250x1400x2250mm	1500X1400X2250
Max object handle capability	H650~750mm x W750mm	H650~750mm x W750mm
Cycle time	15-20min	15-20min
Wash Tank capacity	150L	150L
Filtration	10 micron	10 micron
Ultrasonic Power / Frequency	1500W / 40kHz	1500W / 40kHz
Power Source	220-240 VAC, 1Ph	380-415 VAC, 3Ph
Framework & cover	Fully stainless steel	Fully stainless steel
Weight	500kg	600kg
CDA Blow Dry	YES	YES
Compress Air	3000 LPM @ 3bar	3000LPM @ 3bar

STANDALONE BATH 2IN1 SPRAY CLEANING

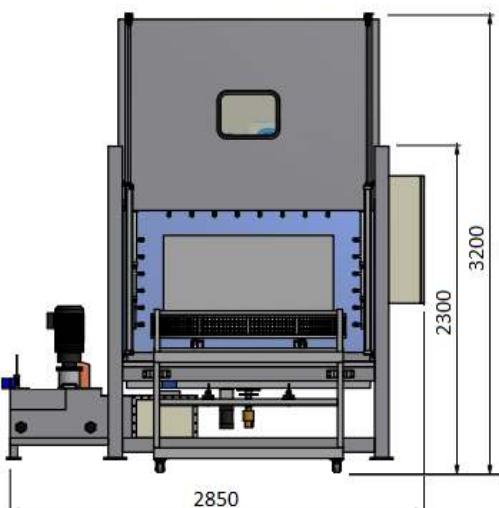


120FL

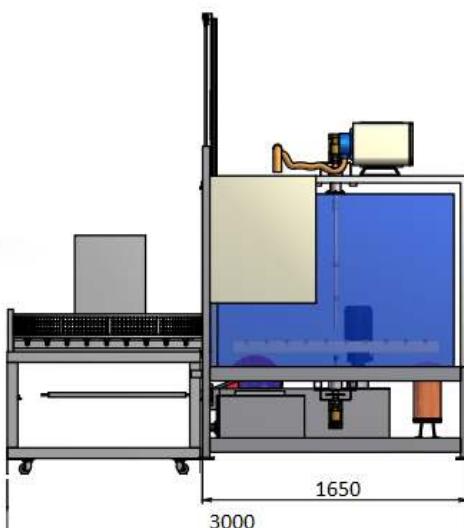


60TL

TECHNICAL SPECIFICATION	BR-120FL	BR-80TL
Overall dimension (LxWxH)	2850x3000x2300mm	2600x2900x2100
Basket Diameter (LxWxH)	1200mm	800mm
Max Washing Capacity	1150x800mm	1150x700mm
Reservoir (Sub Tank) volume	700L	400L
Load Capacity	600kgs	300kgs
Spray pressure	2-3 bar	2-3 bar
Power Source	380-415 VAC, 3Ph	380-415 VAC, 3Ph



M/C Dimension for 120FL



Function

The SBC-BR series cleaning system with 2-STEP automatic process from top & bottom spray wash & rinse for universal parts cleaning in 360° coverage, the cleaning capability with include remove oil, dirt, soldering paste and many more. Cross spray nozzle design with rotating spray mechanism enhance cleaning performance.

Programming / Control

SBC-BR will be controlled by PLC, the cycle time of the respective 2-STEP process is freely programmable in PLC with HMI interface for parameter setting.

Features / Safety

- Loading trolley for FL series
- Oil skimmer
- Oil mist collector
- Liquid in recycled circulate & filtration
- Pneumatic door with safety device
- Over temp. protection device



Waste liquid to be recycled Solvent flowing out of the equipment Clean solution that has flowed out Residue after recycling

FLAMMABLE SOLVENT RECOVERY SYSTEM

The SPA series offers one-button start, fully automatic operation, feeding and discharge functionality, explosion-proof floating ball control for liquid level, and other functions. It is a PLC-controlled solvent recovery machine with a feeding capacity of 220-250L. The barrel wall thickness is 3.0mm, and it operates with a power of 16kW.

Features

- The machine offers temperature control, thermal oil usage, steam temperature adjustment, recovery time, and pressure protection.
- It includes over-temperature and over-pressure protection, timing shut down alarms, heat transfer oil expiration alarms, and accessory damage display.
- It allows for easy dumping and slag discharge, facilitated by a reducer with a 1:300 reduction ratio.
- The HMI screen control provides a more intuitive and convenient operation.
- The optional vacuum pump enables negative pressure distillation at temperatures below 300°C.

TECHNICAL SPECIFICATION

Model Parameters	SPA-20	SPA-40	SPA-60	SPA-90	SPA-125	SPA-250					
Volume	25 L	60 L	80 L	120 L	150 L	320 L					
Thickness(mm)	2	2	2	2.5	2.5	3					
Feeding capacity	20 L	40 L	60 L	90 L	125 L	250 L					
Recovery time	About 2 hours	About 3 hours	About 3.5 hours	About 4 hours	About 4.5 hours	About 5.5 hours					
Cooling method	Air cooled	Air cooled or water cooled									
Heating temperature	Room temperature~210°C										
Environment temperature	5~30°C										
Feeding method	Manual feeding										
Slagging method	Dumping slag										
Recovery rate	≥95%										
Power	2KW	4KW	4KW	5KW	6KW	16KW					
Power supply	220V/50HZ	220V/380V/50HZ	220V/380V/50HZ	3P/380V/50HZ	3P/380V/50HZ	3P/380V/50HZ					
Size(mm)	850×600×1200	1020×750×1270	1040×750×1300	1160×870×1260	1200×850×1450	2600×1200×1950					
Net weight	100 KG	150 KG	160 KG	200 KG	260 KG	520 KG					
Package size(cm)	100*70*140	1100*820*1450	1110*830*1460	1250*920*1500	1630*950*1660	1900*1330*1660					
Package weight	150 kg	200 kg	200 kg	250 kg	300 kg	600 kg					

ULTRASONIC + ELECTROLYSIS CLEANING

- Effectively removes stains & dirt from even hard to reach area

- Cleans all sorts of steel, precision parts, metal molds Insert & ejector pins

- Will not scratch or damage the surface of the part

SUE series was special develop for mold cleaning, target for stubborn outgassing contamination, the system with 2 in 1 cleaning method which is **ULTRASONIC + ELECTROLYSIS WASHING**

COMPACT AND MOBILIZATION

Easy operate, flexi-handling and low power consumption.

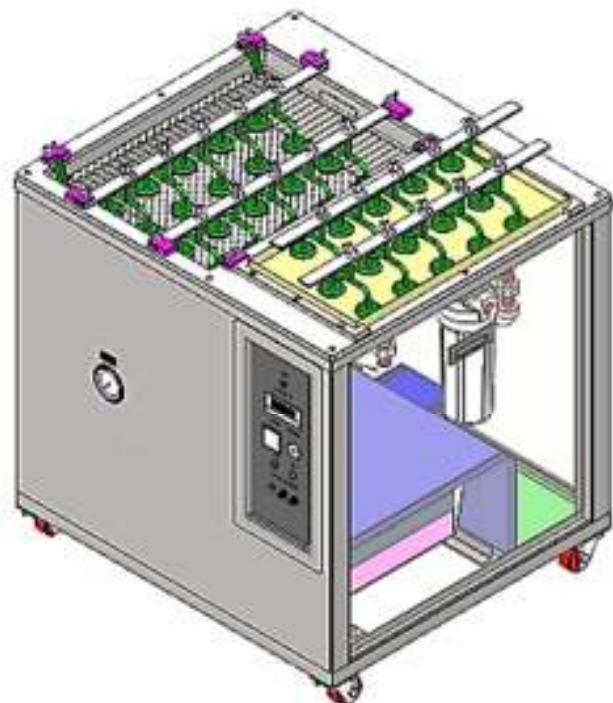


- Perfect cleaning result with recommended chemical

- Low operation cost, low energy consumption and easy to maintenance

- Compact footprint, mobile type easy for shifting & flexible



SUE-20**SUE-30****SUE-50**
***PROHIBITED MATERIAL:**

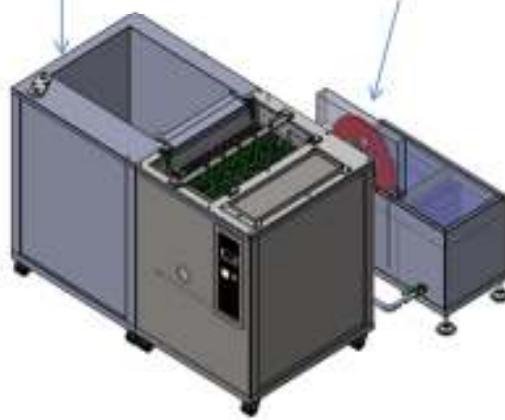
Copper, Brass, Alloy, Aluminum, Zinc.

***CUSTOMIZATION:**

Machine tank & basket size and Ultrasonic power can be custom made according to actual mold part.

OPTION :
Addition Shower rinse & air blow dry

OPTION :
Filtration with oil separation Features

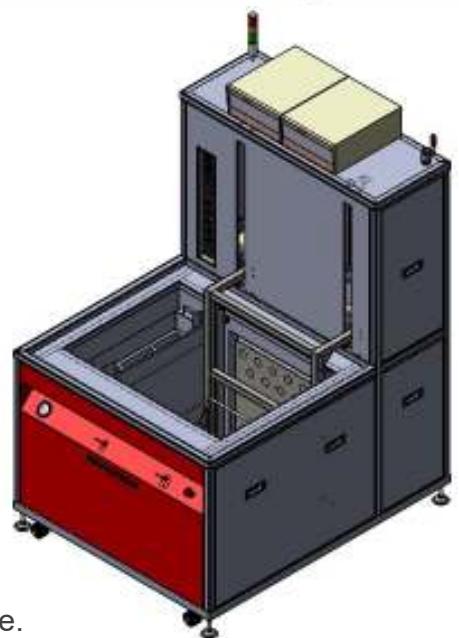
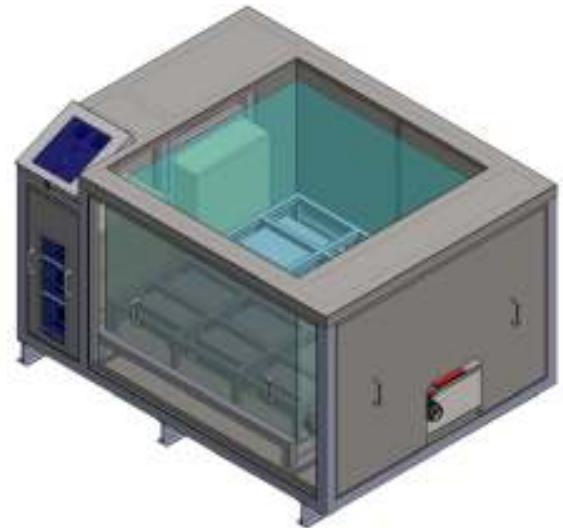


SPECIFICATION	MODEL	SUE-20	SUE-30	SUE-50
Overall dimension (mm)		650x650x850 (LxWxH)	800x800x850mm	950x900x850
Internal Tank Dimension (mm)		300x400x300 (LxWxD)	450x550x300 (LxWxD)	650x700x300 (LxWxD)
Tank Capacity		25L	50L	85L
Basket Size (Outer) (mm)		250x350x200 (LxWxH)	400x500x200 (LxWxH)	600x600x200 (LxWxH)
Ultrasonic Power / Frequency		600W / 28 kHz	900W / 28 kHz	1500W / 28 kHz
Electrolysis Output		0-15V / 20A	0-15V / 30A	0-15V / 50A
Filtration system		YES	YES	YES
Power Source		240VAC, 1Ph, 13A		
Power Consumption		1800W	2200W	3500W
Weight		150kgs	200kgs	300kgs

Parts & Components Cleaning Application

**SD/ SS/
MDL/ MH**

MULITIPURPOSE / HEAVY DUTY CLEANING

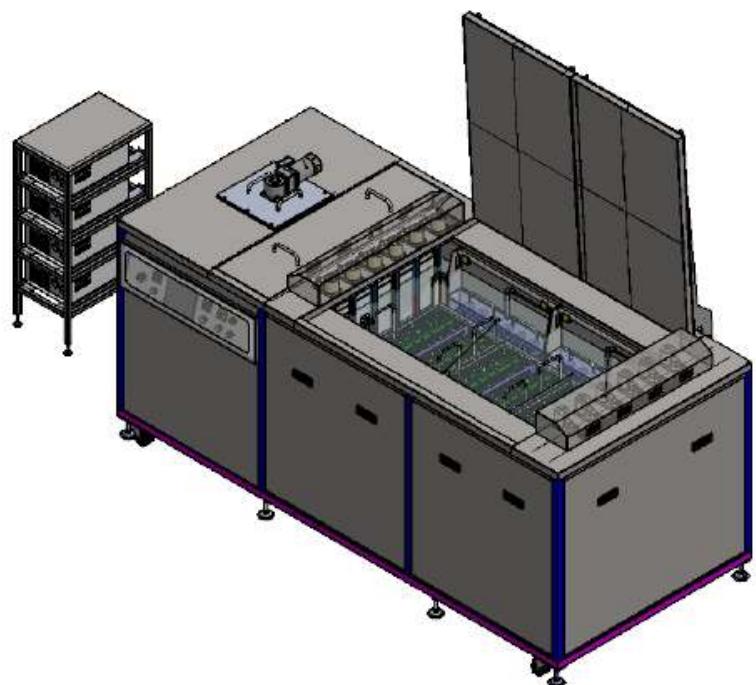


SS, SD & MDL series satisfy the need of different industrial cleaning application. The series capable into **HEAVY DUTY HANDLING WITH COMBINE SLUDGE, METAL CHIPS TREATMENT**. We build the equipment to suit customer requirements in term of size, The equipment in term of control & handling was user friendly, less maintenance & economical usage.

SD

PAINT STRIPPING

With our commitment to innovation and continuous development, Sonictron proudly stands as a leading provider of comprehensive industrial paint stripping solutions. We offer the right technology and effective chemicals for every coating requirement. Our chemical stripping process ensures gentle treatment of temperature-sensitive parts. We employ High Power Ultrasonic Energy with a stirrer and filtration mechanism to effectively wash and remove paint. Additionally, we provide the option of a high-flow Eduction mechanism to rinse off any remaining paint residues.



Taking sustainability and the environment into consideration, we have implemented a high-precision filtration system to recover and recycle contaminated chemicals. Prior to entering the filtration system, paint sludges are screened to prevent their introduction. Additionally, we have installed a mist collector to ensure that chemical fumes are contained and do not escape into the surroundings.

Our success stories encompass a wide range of items, which can be categorized as follows:

- a) Mounting tools and painting aids - including jigs, hangers, and gratings.
- b) Incorrectly painted or coated parts for rework.
- c) Automotive parts and more.

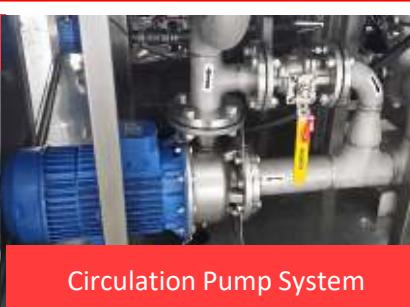
Performance



Heavy Duty Basket Handling



Eductor Flow-Jet (rinse off)



Circulation Pump System



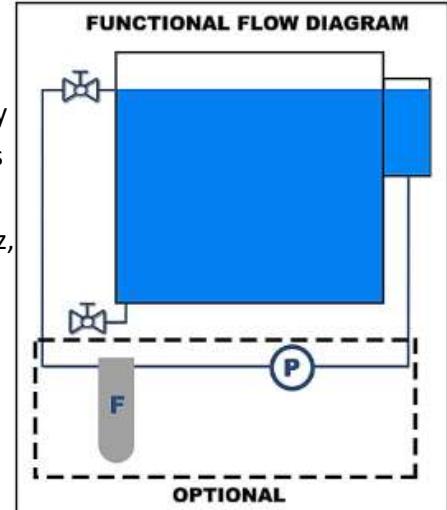
Washable Filter



Sonictron's SS-M series satisfy the need of different industrial cleaning application.

This series of cleaners is capable of accommodating a wide range of ultrasonic power and frequency options. The available frequencies include 25kHz, 28kHz, 40kHz, 68kHz, 80kHz, 132kHz, and 170kHz, providing versatility to match various cleaning requirements.

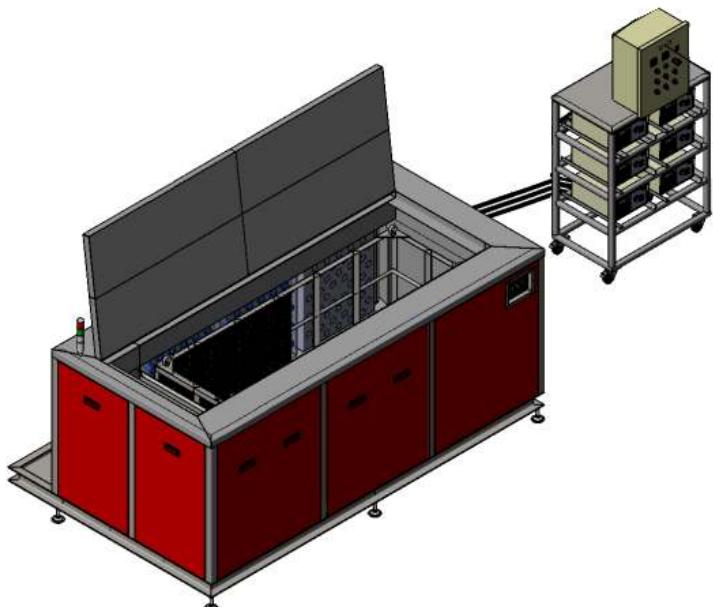
The entire equipment is stainless steel and the ultrasonic unit can be in flexible arrangement either from bottom or side way. Capable with filtration system add-on if required.



SPECIFICATION	Model								
	SS-M20	SS-M30	SS-M45	SS-M65	SS-M85	SS-M120	SS-M150	SS-M180	
Cleaner Size (mm) (LxWxH)	Cleaner overall size in flexible base on tank size as requested as guideline								
Internal Tank Size (mm) (LxWxD)	Tank size in flexible design base on volume as guideline								
Basket Size (mm) (LxWxH)	Flexible design base on specific cleaning parts required								
Tank Volume (Liter)	15~20	25~30	35~45	50~65	70~85	90~120	130-150L	160-180	
Ultrasonic Power	300W	600W	900W	1200W	1500W	1800W	2100W	2400W	
Ultrasonic Frequency	25 / 28 / 40 / 68 / 80 / 100 / 132 / 170 kHz								
Heater Power	1.0kw	2.0kw	3.0kw	4.0kw	5.0kw	6.0kw	7.5kw	10.0kw	
Power Source	240VAC / 1Ph		380-415VAC / 3Ph						

Overflow Filtration Handing Basket Control Mimic Stainless Steel Construct





LARGE SCALE ULTRASONIC CLEANER

Sonictron's SS-H series satisfy the need of different industrial cleaning in Large Scale & heavy duty application.

This series is another Sonictron's cleaner capable with matching variable ultrasonic power and frequency specific in low & medium range frequency from 25, 28 & 40kHz.

The equipment is stainless steel construct mainly in customization for variable parts & components this large scale or heavy duty ultrasonic cleaning unit can be in flexible arrangement either from bottom or side way. The cleaner is capable to with filtration system feature add-on if required.



SPECIFICATION	Model						
	SS-H250	SS-H350	SS-H450	SS-H600	SS-H750	SS-H900	SS-H1200
Cleaner Size (mm) (LxWxH)	Cleaner overall size in flexible base on tank size as requested as guideline						
Internal Tank Size (mm) (LxWxD)	Tank size in flexible design base on volume as guideline						
Basket Size (mm) (LxWxH)	Flexible design base on specific cleaning parts required						
Tank Volume (Liter)	200~250	300~350	400~450	500~600	650~750	800~900	1000~1200
Ultrasonic Power	3000W	4500W	6000W	7500W	9,600W	12,000W	14,400W
Ultrasonic Frequency	25 / 28 / 40 / 68 / 80 kHz						
Heater Power	15.0KW	20.0KW	25.0KW	30.0KW	40.0KW	50.0KW	60.0KW
Power Source	380-415VAC / 3Ph						



Ultrasonic System



Overflow Filtration (option)



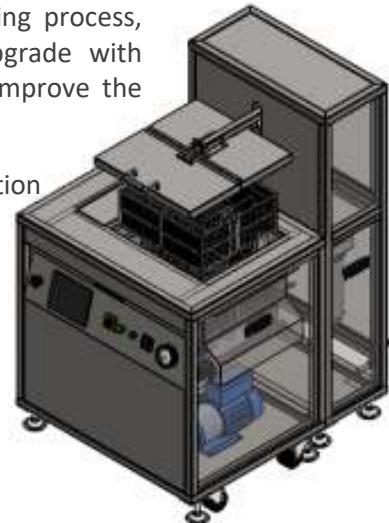
Heavy Duty Basket

MODULAR ULTRASONIC CLEANER

Sonictron's MDL series was special develop In Modular concept , the system with Flexi implant into multi-stage cleaning device capability depend on cleaning process required.

Upgradable SA with auto lifter mechanism for the basket transferring for cleaning process, the lifter capable to further upgrade with up/down agitation capability to improve the cleaning efficiency.

Overflow filtration with pre-filtration mechanism create optimum Treatment pattern prolong the chemical quality.



Model

SPECIFICATION

	MDL-C20	MDL-C-30	MDL-C45	MDL-C65	MDL-C85	MDL-C105	MDL-C125	MDL-C150	
Cleaner Size (mm) (LxWxH)	Cleaner overall size in flexible base on tank size as requested as guideline								
Internal Tank Size (mm) (LxWxD)	Tank size in flexible design base on volume as guideline								
Basket Size (mm) (LxWxH)	Flexible design base on specific cleaning parts required								
Tank Volume (LITER)	15~20	25~30	35~45	50~65	70~85	90~105	110~125	130~150	
Ultrasonic Power	300W	600W	900W	1200W	1500W	1800W	2100W	2400W	
Ultrasonic Frequency	28 / 40 / 68 / 80 / 100 / 132 / 170 kHz								
Heater Power	1.0KW	2.0KW	3.0KW	4.0KW	5.0KW	6.0KW	7.5KW	10.0KW	
Power Source	240VAC / 1Ph		380-415VAC / 3Ph						

ACCESSORIES



Filtration

Front Control

Top Lid

Basket



Top Lid

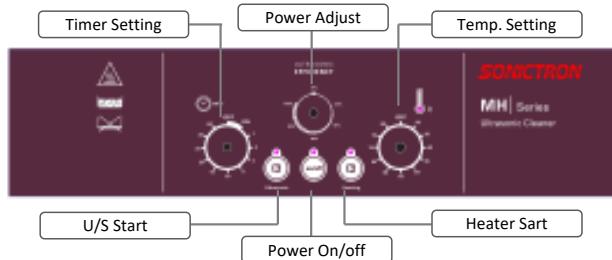


STANDRD INDUSTRY ULTRASONIC CLEANER

SONICTRON[®] MH series was special develop in Economic type, satisfy the need of different industrial cleaning application. The series is another Sonictron's cleaner capable with matching variable ultrasonic power and double frequency range from 25 to 120 kHz. The entire equipment in stainless steel construct.

Features

- With 2mm thick stainless steel cleaning bath
- High-performance industrial BLT type transducer
- With Hard-chrome surface finishing for ultrasonic
- Adjustable ultrasonic output power
- Selectable in single or Double frequency ultrasonic range
- Adjustable temperature control & setting from 1-80°C
- User-friendly control panel with easy & simple operate
- c/w stainless steel top lid
- c/w stainless steel basket



Control Mimic

SPECIFICATION

MODEL	Cleaner Size (mm) (LxWxH)	Internal Tank Size (mm) (LxWxD)	Basket Size (mm) (LxWxH)	Tank Volume (L)	Ultrasonic Power (W)	Ultrasonic Frequency (kHz)	Heater Power (KW)	Power Source
MH15	490*430*810	300*250*200	270*215*150	15	300	Single Frequency 20 / 25 / 28 / 33 / 40 / 80 kHz	0.5	240VAC, 1Ph
MH30	490*430*810	400*300*250	380*280*180	30	600		0.8	
MH50	540*530*810	450*400*300	430*330*230	54	900		1.0	
MH60	590*480*810	500*400*300	480*330*230	60	1000		1.0	
MH70	540*580*810	450*450*350	430*430*230	70	1200		1.5	
MH80	690*460*810	600*330*450	580*300*330	89	1200		1.5	
MH90	640*630*810	550*450*400	530*430*330	99	1500		2.0	
MH100	590*530*860	500*400*500	480*370*380	100	1500			
MH120	690*580*860	600*500*400	580*480*330	120	1800		2.5	
MH140	790*580*860	700*500*400	670*470*280	140	2000		3.0	
MH190	740*780*900	650*650*450	620*620*330	190	2600		4.0	415VAC, 3Ph
MH200	740*580*1000	650*450*700	620*420*380	200	2800		4.0	
MH220	790*780*950	700*650*500	670*620*380	227	3000		4.0	
MH240	840*780*950	750*650*500	720*620*380	243	3000		4.5	

SUC-iV

IDEAL FOR PRECISION CLEANING



SONIC DIGITAL



The SUG-IV is an advanced, lightweight ultrasonic generator purpose-built for industrial cleaning applications with a strong focus on user-friendly operation and cutting-edge technology. It features an LCD touch screen display which offers real-time information on key parameters such as frequency, timer, power levels, and the selected ultrasonic mode all at once. Users have the flexibility to choose their desired ultrasonic mode and adjust the frequency wave duration, particularly when opting for the Dynamic wave. It provides clear indicators for power consumption, which can be adjusted linearly up to 100%. Additionally, the SUG-IV comes with various technology ensuring the safety and durability of the equipment.

SUG-IV TECHNOLOGY

- Available with Single and Dual Frequency
- 4 Wave Patterns (Pulse | Degas | Sweep | Dynamic)
- Overheat Detection + Temperature Indicator
- RS485 and MODBUS RTU communication + Error Signal
- IGBT full-bridge phase-shifting technology
- V1.3 systems uses digital intelligent technology
- Automatic frequency tracking | Impedance change technology
- Power Adjustment from 20% up to 100%
- Timer functionality up to 24 hours
- IP21 Degree of Protection

CONTROL

- Power Control : 20% – 100% Linearly Adjustable
- Output Power Range : 200W – 2400W
- Operating Voltage : AC 220V-240V 1Ph ± 10% 50Hz
- Time Control Range : 24 Hours (Max)

POWER AND FREQUENCY SUPPORT

Power (W)		200	300	600	900	1200	1500	1800	2100	2400
Available Frequency (kHz)	Single Frequency	✓	✓	✓	✓	✓	✓	✓	✓	✓
	68 80 100	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Dual Frequency	●	●	✓	●	✓	●	●	●	●
	28 – 40	●	●	✓	●	✓	●	●	●	●
40 – 80		●	●	✓	●	✓	●	●	●	●

- ✓ Available
- Not-Available

COMPATIBILITY

- Suitable for wide range of transducer element

PHYSICAL CHARACTERISTIC

Display Type	:	LCD Touch Screen
Dimensions (LxWxH)	:	350mm x 185mm x 95mm
Weight	:	3.5kg



V-TYPE

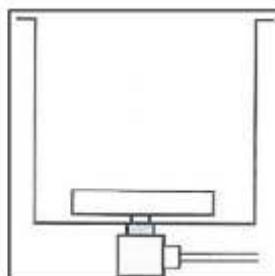


H-TYPE

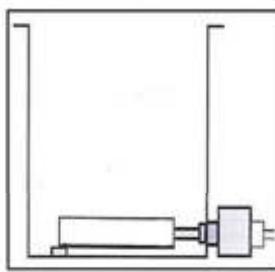
IMMERSIBLE TRANSDUCER

SI-SERIES

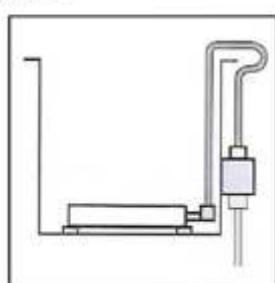
TRANSDUCER MOUNTING OPTION



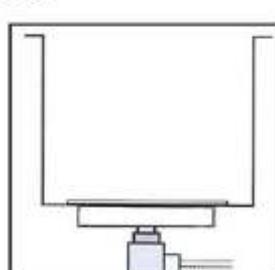
BOTTOM BULK HEAD



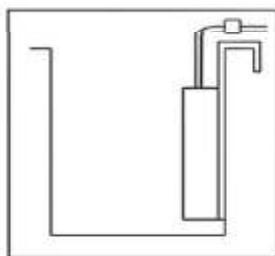
SIDE BULK HEAD



FLEXIBLE HOSE



FLANGE



HANGING

INTRODUCTION

SONICTRON's range of Immersible Transducers provides flexible and versatile ways to add ultrasonic cleaning to new and existing tanks.

The SI Series can be customised with Sonictron's **SUG** Series range of ultrasonic generator to be integrated into a complete system to suit any cleaning requirement

FEATURES

- ▶ Wide range of frequencies available for removal of different particle size
- ▶ Customisable transducers dimensions
- ▶ Immersible transducer turns any existing tanks into ultrasonic cleaning device
- ▶ Suitable for wide range of industries from Electronics to Optics

SONICTRON

MULTI- SECTION TUBULAR ULTRASONIC



- High Function
- Power Saving
- Easy Install



Rod
Mounting
Type



Multi-section tubular ultrasonic is built on the foundation of traditional Langavin transducer.

Multi-section tubular ultrasonic less restriction on user environment, and can be customized according to users's demand in term power output & length.

MODEL	ULTRASONIC FREQUENCY	ULTRASONIC POWER	TUBE LENGTH [MM]	DIAMETER [DIA]
ST-25	28 / 40 kHz	250W	200	57
ST-35		350W	300	
ST-45		450W	400	
ST-60		600W	500	
ST-70		700W	600	
ST-85		850W	700	
ST-100		1000W	800	
ST-110		1100W	900	
ST-120		1200W	1000	



TEXSONIC

Leading Player in Industrious Precision Cleaning System



Basket and Tray





● Key Features

The TEXSONIC's TUC-P series Ultrasonic Cleaner as premium series offer with combines with ore functionality such as

LCD Display Panel

This LCD screen displaying the cleaner functionality such as frequency, output power select in 40%-70%-100%, pre-set & actual temperature, Pre-set & actual process timer.

Sensitive Touch Button

This sensitive touch button design to pro-long lifespan due to long standing usage, button contains with quick degassing mode recommended before cleaning process, sweep mode improve cleaning performance, pulse model for high strength cleaning power required.

Dry Run Proof Heater

This cleaner with integrated special ceramic heater which able to sustain for 12 hrs dry run condition without damaging.

Specifications

Specification	MODEL														
	TUC-P20H	TUC-P30H	TUC-P40H	TUC-P50H	TUC-P60H	TUC-P70H	TUC-P80H	TUC-P100H							
Transducer	Industrial BLT Type														
Time Rage	1-30 (Digital)	1-60 (Digital)													
Temperature Range	Ambient ~ 60°C														
Frequency	37kHz														
Cleaner Overall Dimension (LxWxH) (mm)	175*160*220	325*175*285	325*175*285	325*265*330	355*325*415	355*325*330	525*325*365	525*325*365							
Basket Size (mm)	108*92*85	248*110*85	248*110*118	260*202*95	260*202*140	285*260*138	452*260*108	452*260*138							
Internal Tank Dimension (LxWxD) (mm)	150*135*100	300*150*100	300*150*150	300*240*150	300*240*200	325*300*200	500*300*150	500*300*200							
Tank Liquid Effective Level Height (mm)	75	75	125	125	175	175	125	175							
Volume Max	2.0L	4.5L	6.7L	10.8L	14.4L	19.5L	22.5L	30L							
Ultrasonic Power	80W	180W	240W	300W	360W	480W	480W	600W							
Heater Power	60W	180W	240W	320W	400W	480W	480W	640W							
BV Drainage	-			3/8"			1/2"								
Power Source	110-240V 1P														

TEXSONIC

TUC SERIES



The TEXSONIC's TUC series ultrasonic cleaner is an economic model that offer functionality such as LED display shows, sensitive touch button and auto start temperature controlled. This model offer the simplest technical features that guarantee better results.



Top Lid



Basket

Sensitive Touch Button

The sensitive touch button design to pro-long lifespan due to long-standing usage, button contain with on/off button, start/pause button also button to vary the value of timer and temperature.

LED Display

This LED screen displaying the cleaner functionality such as process timer in minutes and second also display the set temperature with actual temperature.

KEYPAD FEATURES



Model	TUC-20H	TUC-30H	TUC-40H
Capacity	2.0 L	4.0 L	6.0 L
Basket Dimension (MM)	108 x 92 x 85	248 x 110 x 85	248 x 110 x 118
Internal Tank Dimension (MM)	150 x 135 x 100	300 x 150 x 100	300 x 150 x 150
Cleaner Outer Dimension (MM)	161 x 149 x 217	311 x 161 x 230	311 x 161 x 315
Ultrasonic Power (W)	60	120	180
Ultrasonic Frequency (kHz)	40 kHz	40 kHz	40 kHz
Heating Power (W)	100	220	270
Drain Valve	N/A	N/A	N/A
Power Supply	220V , 1 phase , 50 Hz	220V , 1 phase , 50 Hz	220V , 1 phase , 50 Hz
Other Features	Top Lid <input checked="" type="checkbox"/> Drain Tap <input type="checkbox"/> Basket <input checked="" type="checkbox"/> Handle <input type="checkbox"/>	Top Lid <input checked="" type="checkbox"/> Drain Tap <input type="checkbox"/> Basket <input checked="" type="checkbox"/> Handle <input type="checkbox"/>	Top Lid <input checked="" type="checkbox"/> Drain Tap <input type="checkbox"/> Basket <input checked="" type="checkbox"/> Handle <input type="checkbox"/>
Model	TUC-50H	TUC-60H	TUC-100H
Capacity	10.0 L	13.0 L	30.0 L
Basket Dimension (MM)	260 x 202 x 95	287 x 224 x 185	452 x 260 x 138
Internal Tank Dimension (MM)	302 x 239 x 150	300 x 240 x 200	500 x 300 x 200
Cleaner Outer Dimension (MM)	311 x 248 x 315	335 x 266 x 345	525 x 325 x 365
Ultrasonic Power (W)	240	300	480
Ultrasonic Frequency (kHz)	40 kHz	40 kHz	40 kHz
Heating Power (W)	310	420	470
Drain Valve	3/8"	3/8"	1/2"
Power Supply	220V , 1 phase , 50 Hz	220V , 1 phase , 50 Hz	220V , 1 phase , 50 Hz
Other Features	Top Lid <input checked="" type="checkbox"/> Drain Tap <input checked="" type="checkbox"/> Basket <input checked="" type="checkbox"/> Handle <input checked="" type="checkbox"/>	Top Lid <input checked="" type="checkbox"/> Drain Tap <input checked="" type="checkbox"/> Basket <input checked="" type="checkbox"/> Handle <input checked="" type="checkbox"/>	Top Lid <input checked="" type="checkbox"/> Drain Tap <input checked="" type="checkbox"/> Basket <input checked="" type="checkbox"/> Handle <input checked="" type="checkbox"/>

POWERSONIC

POWERSONIC 605/620 (5liter/20liter)



■ Keypad for 605/610/620



■ Features

- Built-in microprocessor controller
- High-performance industrial BLT Type transducer
- Selectable use of ultrasonic power (3 steps : Low-1, Medium-2, High-3)
- **Degassing function to eliminate dissolved gas in water or solutions**
- User-friendly control panel for easy and simple operation
- Elegant style and strong durability
- Lid to see the inside of the bath
- Built-in alarm function for operation stop
- Stainless steel tray (Optional)

■ Specifications

Model	POWERSONIC 603	POWERSONIC 605	POWERSONIC 610	POWERSONIC 620
Transducer		Industrial BLT Type		
Time Range		1~99 min (Digital)		
Temp. Range	Ambient~60°C (Digital)		Ambient~70°C (Digital)	
Frequency		40 KHz		
Housing Material	SUS 304 + ABS		SUS 304 + PP	
Bath Capacity	3.3 L	5.7 L	10.7 L	20.7 L
Bath Dimensions	W240 x D140 x H100mm	W300 x D155 x H150mm	W300 x D240 x H150mm	W500 x D300 x H150mm
Overall Dimensions	W325 x D225 x H255mm	W385 x D255 x H270mm	W385 x D345 x H270mm	W590 x D405 x H275mm
Tray Dimensions	W240 x D135 x H105mm	W240 x D120 x H100mm	W250 x D200 x H100mm	W440 x D250 x H100mm
Required Power	200 watt	350 watt	400 watt	700 watt
Net Weight	4.5 kg	6.1 kg	7.3 kg	11.8 kg
Voltage	Available from 100 to 240V, 50/60Hz			

POWERSONIC

POWERSONIC 400 Series (405/410/420)



POWERSONIC 500 Series (505/510/520)



Features

- Built-in digital thermometer and timer to set optimum condition for cleaning
- Selectable use of ultrasonic power [3 steps : Low-1, Medium-2, High-3]
- Easy to read operation status on digital display
- Built-in drain valve unit
- Silicon rubber heater for durability and stability
- Built-in alarm function for operation stop
- Stainless steel tray [Optional]

Specifications

Model	POWERSONIC 405	POWERSONIC 410	POWERSONIC 420
Transducer		Industrial BLT Type	
Time Range		1-99 min (Digital)	
Temp. Range		Ambient-70°C (Digital)	
Frequency		40 KHz	
Housing Material		ABS	
Bath Capacity	5.7 L	10.7 L	20.7 L
Bath Dimensions	W300 x D155 x H150mm	W300 x D240 x H150mm	W500 x D300 x H150mm
Overall Dimensions	W500 x D285 x H260mm	W510 x D375 x H280mm	W720 x D450 x H280mm
Tray Dimensions	W240 x D140 x H150mm	W255 x D200 x H100mm	W500 x D300 x H150mm
Required Power	350 watt	400 watt	700 watt
Net Weight	7 kg	9 kg	14 kg
Voltage	Available from 100 to 240V, 50/60Hz		

Features

- Backlit LCD screen [Furnishing all information]
- Selectable use of ultrasonic power [3 steps : Low-1, Medium-2, High-3]
- **Easy to adjust time and temperature setting with number key**
- Strong power and durability enhanced by built-in BLT transducer
- **Manual function key for turning ON/OFF the heater**
- Built-in alarm function for operation stop
- Stainless steel tray [Optional]

Specifications

Model	POWERSONIC 505	POWERSONIC 510	POWERSONIC 520
Display		70 x 40mm LCD Screen	
Transducer		Industrial BLT Type	
Time Range		1-99 min (Digital)	
Temp. Range		Ambient-70°C (Digital)	
Frequency		40 KHz	
Housing Material		ABS	
Bath Capacity	5.7 L	10.7 L	20.7 L
Bath Dimensions	W300 x D155 x H150mm	W300 x D240 x H150mm	W500 x D300 x H150mm
Overall Dimensions	W500 x D285 x H260mm	W510 x D375 x H280mm	W720 x D450 x H280mm
Tray Dimensions	W240 x D140 x H150mm	W255 x D200 x H100mm	W500 x D300 x H150mm
Required Power	350 watt	400 watt	700 watt
Net Weight	7 kg	9 kg	14 kg
Voltage	Available from 100 to 240V, 50/60Hz		



UIM / UOL Series

Ultrasonic Energy Meter



UIM series meter display



Energy meter monitoring method

Type	UOL-LF	UOL-CF	UIM-100	UIM-200
Measuring Span	mV/in ²	mV/in ²	w/cm ²	w/cm ²
Measuring frequency	0.00 – 60 kHz	0.00 – 150 kHz	10.00 – 99.9 kHz	10.00 – 200 kHz
Data display type	LCD mono, 2 line	LCD mono, 2 line	LCD color, graphic	LCD color, graphic
Power supply	110-220V 1P	110-220V 1P	110-220V 1P	110-220V 1P
Probe material	SUS 316L	SUS 316L	SUS 316L	SUS 316L
Probe working temperature	70°C	70°C	120°C	120°C
Probe diameter	25mm	25mm	25mm	25mm
Probe length (MM)	400	400	500	500
Frequency display	YES	YES	YES	YES
Data upload	NO	NO	YES (Txt format)	YES (Txt format)



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