



SONICTRON

COMPANY PROFILE

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 applications 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 dedicated in contributing to this 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 12 years; SSB has successfully carved its name in the South East Asian market. Its presence has touched the shores of Singapore, The Philippines, Vietnam and Indonesia. 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.

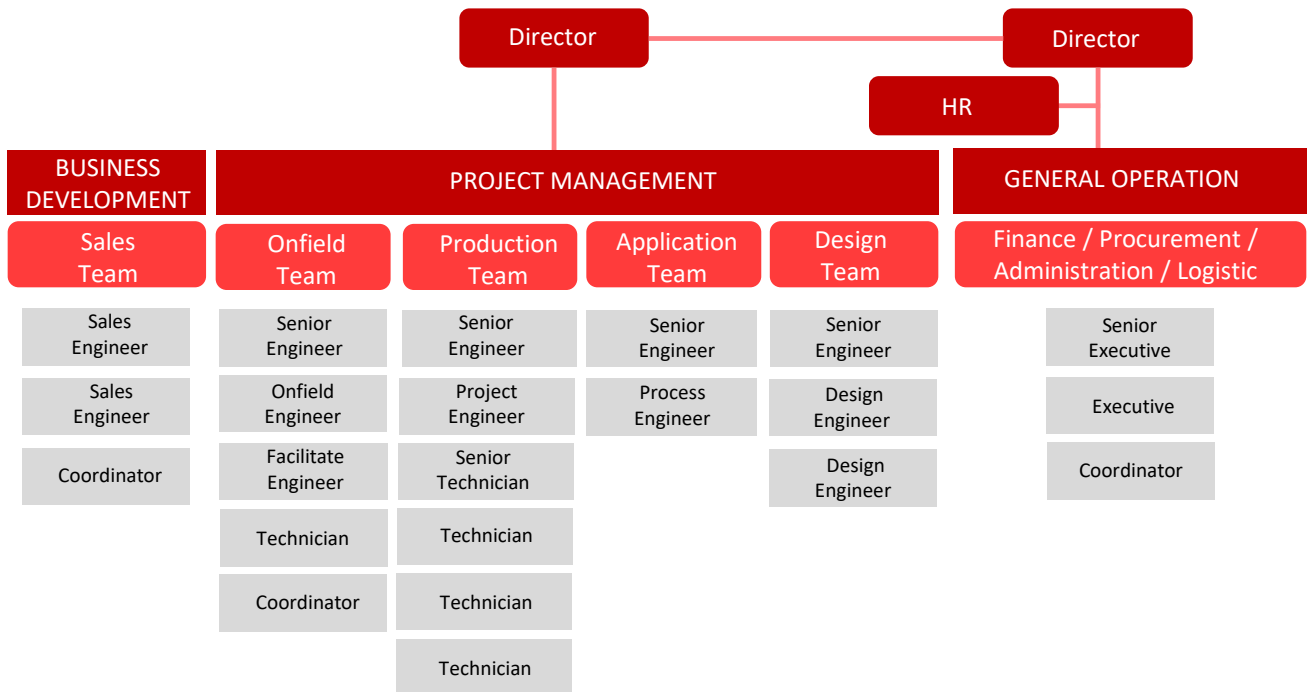
The name "Sonictron" reflects our strong belief in the speed of sonic technology, which is premised for the usage in our cleaning methodology and approach. We believe sonic cavitation provides the required precision in this form of cleaning. We wish to share our knowledge and developments of such applications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



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 ORG CHART



Headcount:

No. of Engineer : 12 person

No. of Executive : 2 person

No. of Coordinator : 3 person

No. of Technician : 5 person

Total Workforce : 24 person

ISO 9001:2015



CORE CAPABILITY & COMPETENCY

Sonictron's Internal Control System

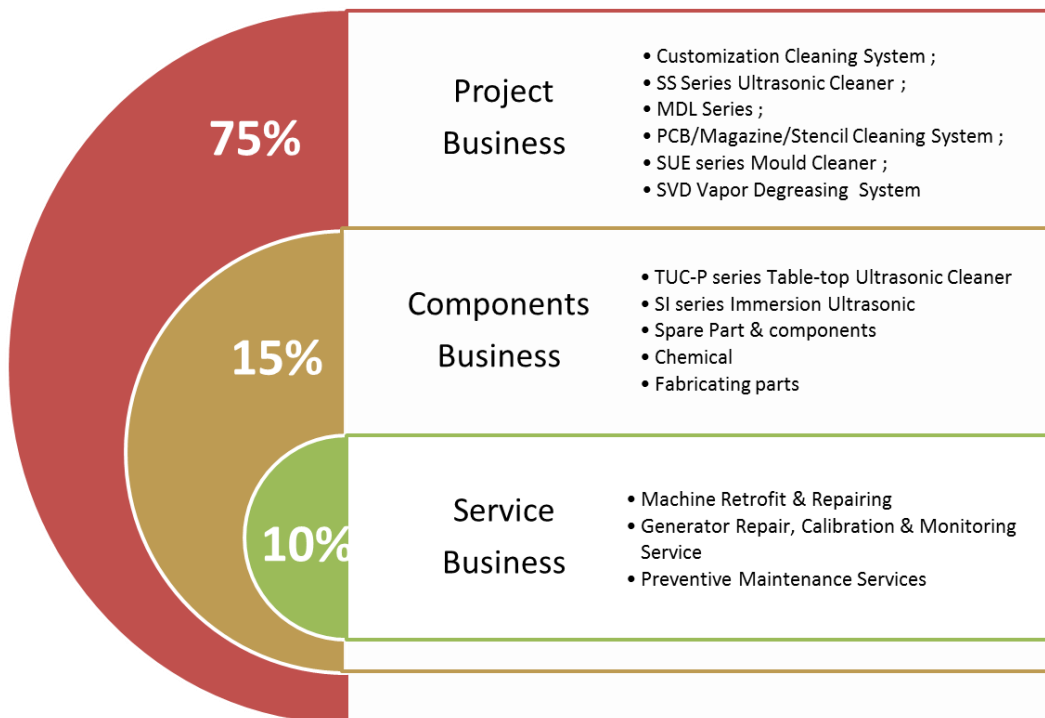
Sonictron has targeted to obtain ISO accreditation by year 2018 to provide additional assurance of its quality to customers. However, despite not having ISO accreditation at present, the Company operates within a strict set of internal control systems developed by the Management. This internal control 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:

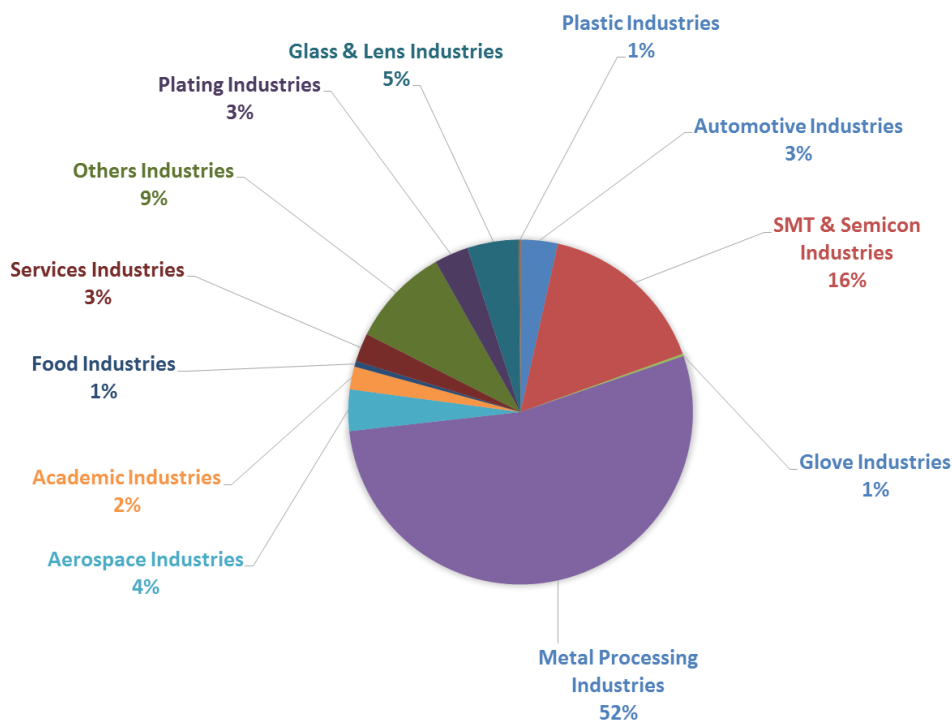


Excellence Brand Award

Our Business



Our Market



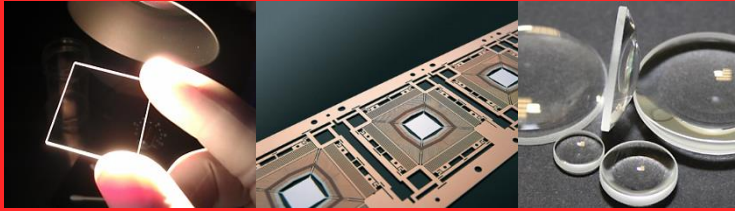
PRODUCTS & SERVICE

•	SSAQ	I Semi-aqueous Cleaning Series	P7-8
•	SAQ	I Aqueous Cleaning Series	P9-10
•	SHC	I Hydrocarbon Cleaning Series	P11-12
•	SVD	I Vapour Degreasing Series	P13-15
•	SSC	I Standalone Cleaning Series	P16-21
•	SBC	I Single Batch Cleaning Series	P16-22
•	SUE	I Ultrasonic + Electrolysis Cleaning Series	P22-23
•	SD	I Double Stage Cleaner Series	P24-25
•	SS	I Single Stage Cleaner Series	P26
•	MDL	I Modular Semi-auto Cleaner Series	P27
•	SI	I Immersion Ultrasonic Set	P29-30
•	TUC-P	I Table-top Ultrasonic Cleaner	P33-36
•	After Sales Support for Maintenance & Service		P39-40

Sapphire Glass / Lens / Lead-Frame Cleaning Application

SSAQ

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



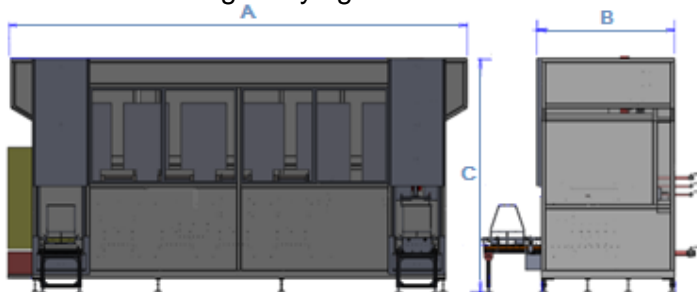
*Technology Apply :OPTIMISATION on System Settings & System Design via
Understanding of Your Parts Cleaning Requirement & Solutions being apply.*

SSAQ-FA5

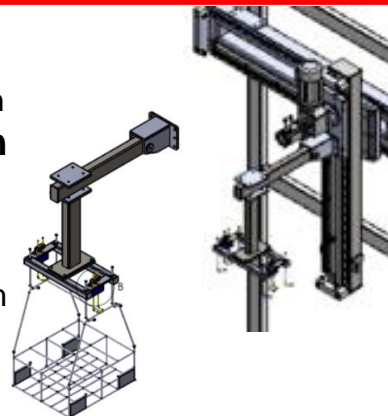
Fully-Auto Super Flux Cleaning Machine



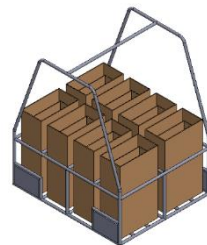
Sonictron's **SAQ-FA5** series Flux Cleaning System special design cater for lead-frame cleaning application for Semicon Industry. The proven process with high output washing capacity, feature such as agitate & slow pull method enhance the machine cleaning & drying result.



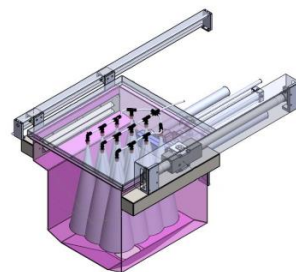
Heavy Duty
Robotic
Transfer Arm in
HCM Design
Concept
with Intelligent
programing
compatible with
SECS/GEM
data system



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



High
Efficiency
Reciprocal
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 Parts Cleaning Application



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

SAQ

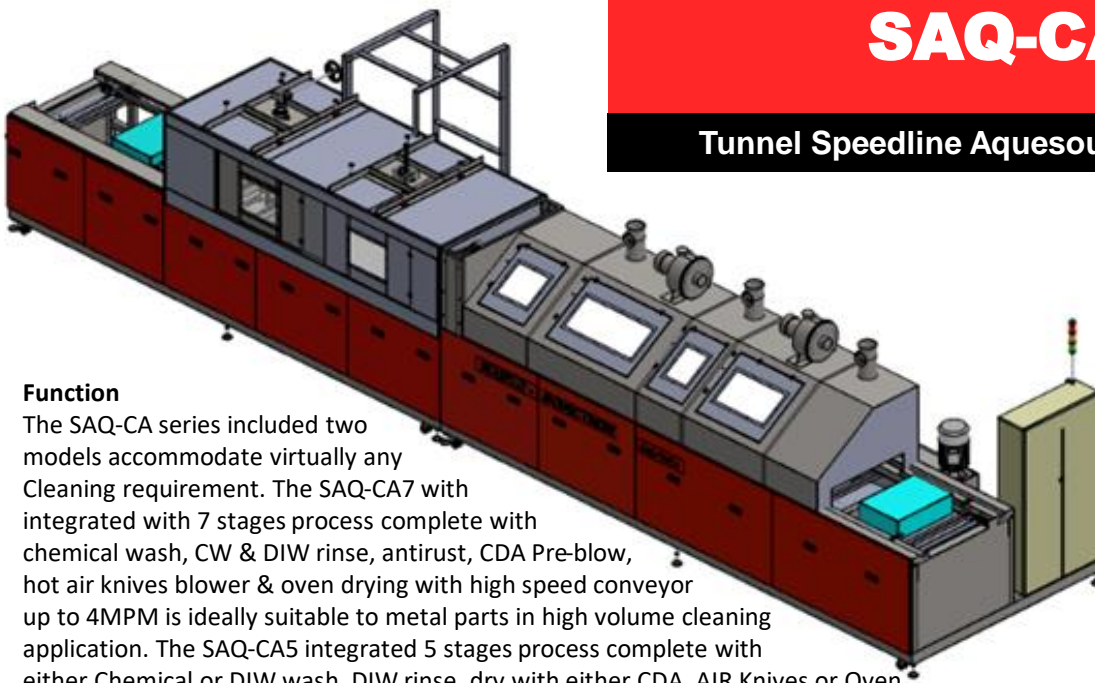
AQUEOUS

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

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

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

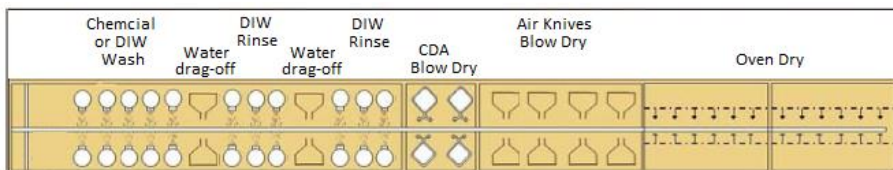
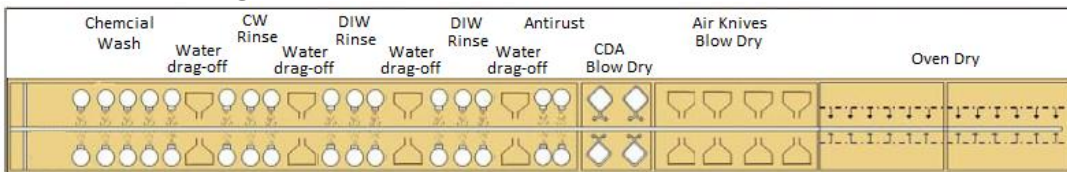




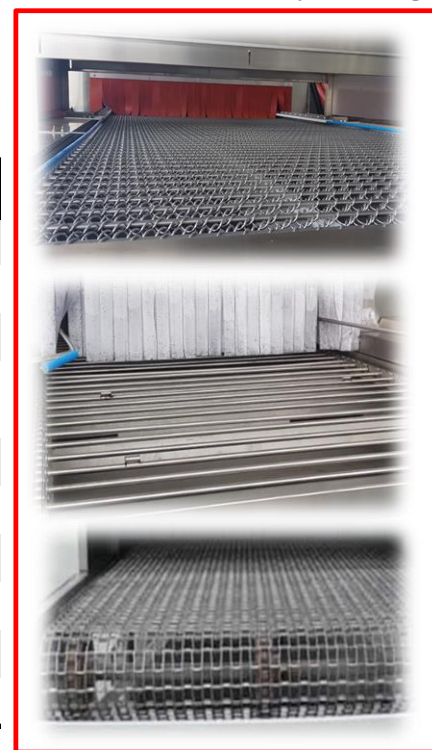
Function

The SAQ-CA series included two models accommodate virtually any Cleaning requirement. The SAQ-CA7 with integrated with 7 stages process complete with chemical wash, CW & DIW rinse, antirust, CDA Pre-blow, hot air knives blower & oven drying with high speed conveyor up to 4MPM is ideally suitable to metal parts in high volume cleaning application. The SAQ-CA5 integrated 5 stages process complete with either Chemical or DIW wash, DIW rinse, dry with either CDA, AIR Knives or Oven Dry, the SAQ-CA5 features space saving and excels water soluble flux, mild oil & 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#

Metal Processing Parts Cleaning Application

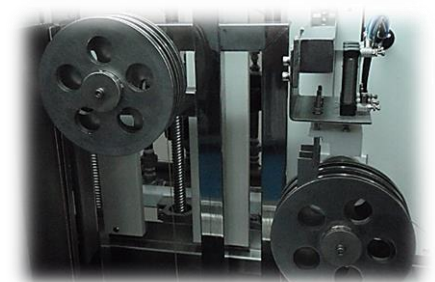
SHC

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.

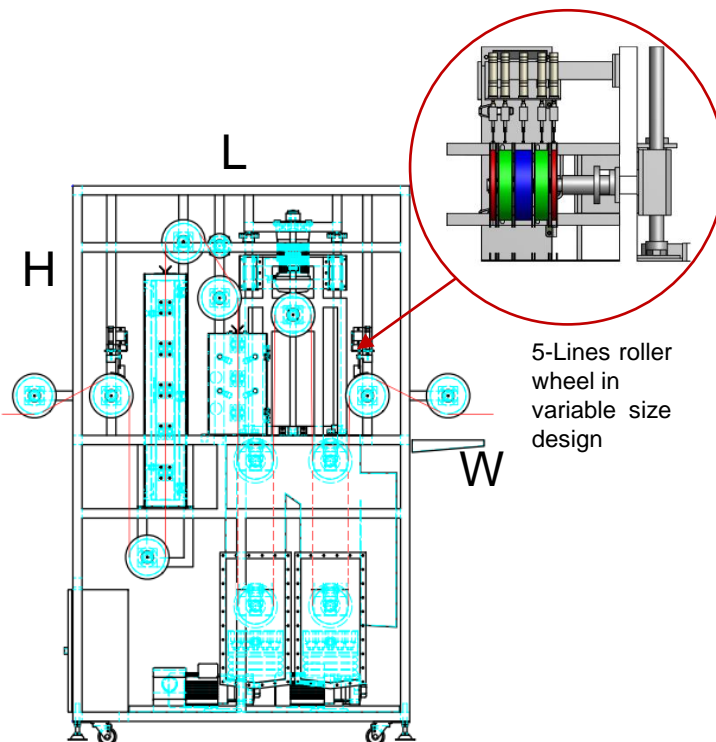
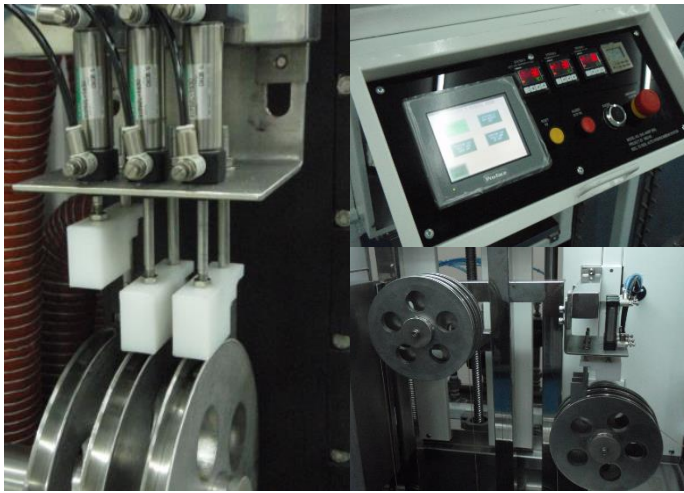
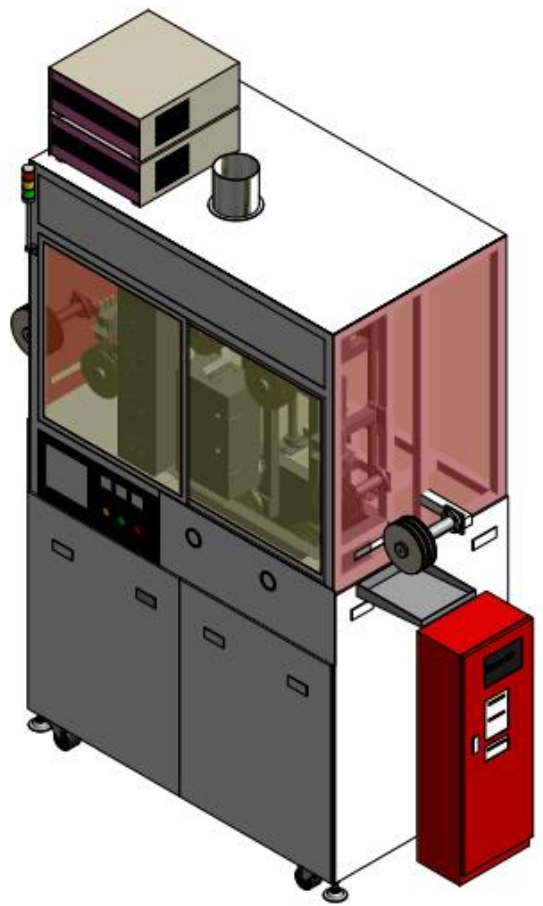


Technology Apply :OPTIMISATION on System Application & Design via Understanding of Your Parts Cleaning Requirement & Solutions being apply.

SHC-RA3

Reel to Reel Hydrocarbon Cleaning

Sonictron's **SHC-RA3** series Reel to Reel System special design cater for lead-frame cleaning application for Semicon Industry. The proven process with high output washing capacity, feature such as agitate & slow pull method enhance the machine cleaning & drying result.



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 Cleaning Application

SVD

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 TRANSFER MECHANISM

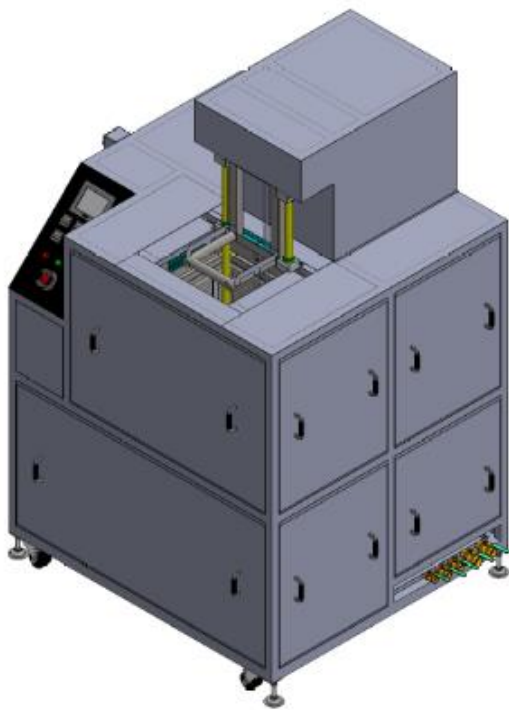
to achieved optimum precision cleaning result.



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

SVD-MoV

Vertical Stage Vapor Degreaser



Function

The SVD-MoV integrated with auto lifting mechanism carry the basket go through cleaning & vaporizing process in vertically, the system consist with features such as chiller double cooling freeboard, separator tank for water/solvent separation & close-loop filtration, the system capable either basket or barrel design for parts handling. Machine with integrated Super-Heat feature model code in Mo-SHV.

Programming / Control

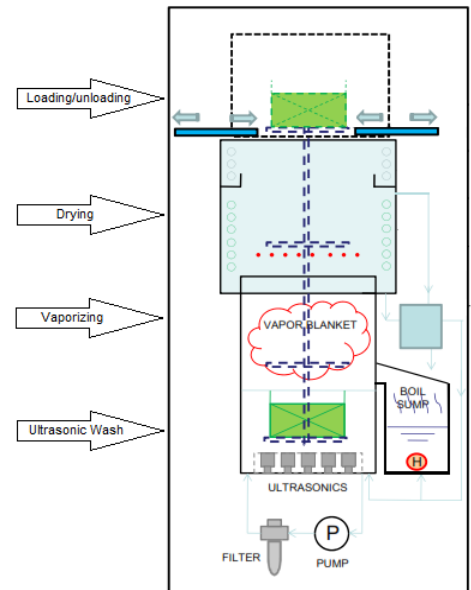
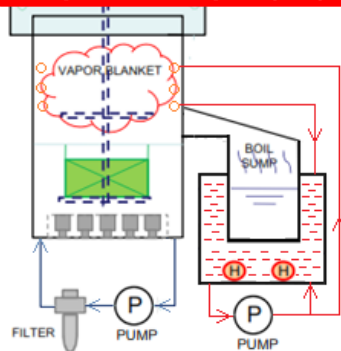
SVD-MoV the cycle of the respective 3STEP process is freely programmable in PLC with touch screen interface for parameter setting.



Barrel Handling

Basket Handling

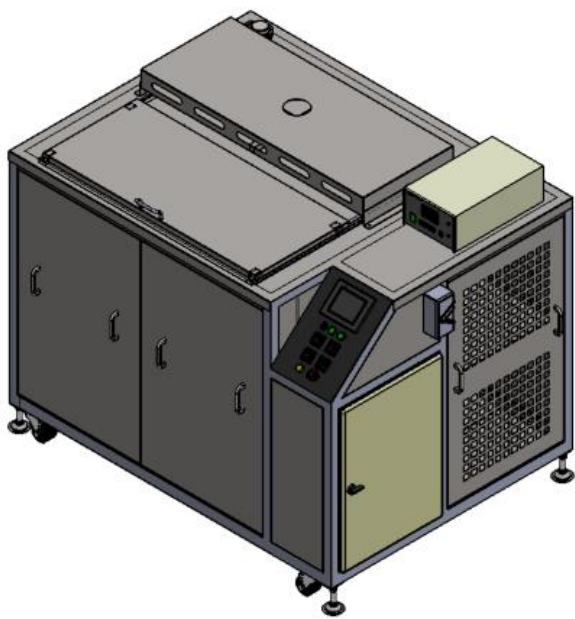
Option Feature Superheat Vapor (SH)



TECHNICAL 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	600W	1200W	2400W
Frequency (kHz)	28 / 40 / 68 / 80 / 132 / 170	28 / 40 / 68 / 80 / 132 / 170	28 / 40 / 68 / 80 / 132 / 170
Heating Capacity	2000W	3000W	3000W
Machine Construction	Fully stainless steel		
Power Source	380-415VAC, 3Ph		



SVD-MoH

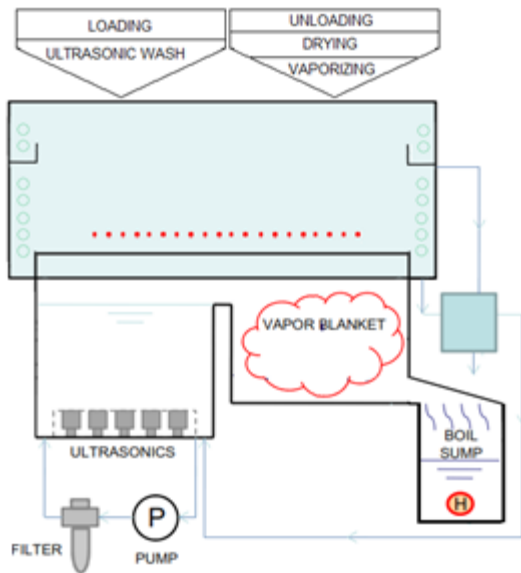
Horizontal Stage Vapor Degreaser

Function

The SVD-MoH with manual handling horizontally go through either 1STEP or 2STEP ultrasonic cleaning and follow by vaporizing & drying, the system consist with features such as chiller for cooling freeboard, separator tank for water/solvent separation & close-loop filtration, the system customized design basket for parts handling.

Programming / Control

SVD-MoH the cycle of the respective 3STEP or 4STEP process is freely programmable in PLC with touch screen interface for parameter setting.



TECHNICAL SPECIFICATION

MODEL

	SVD-MoH30	SVD-MoH60	SVD-MoH100
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		

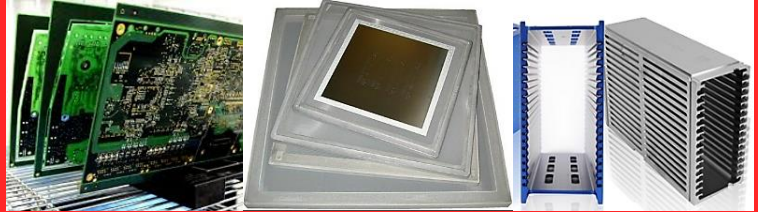
SBC / SSC

AQUEOUS / SEMI-SOLVENT

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**

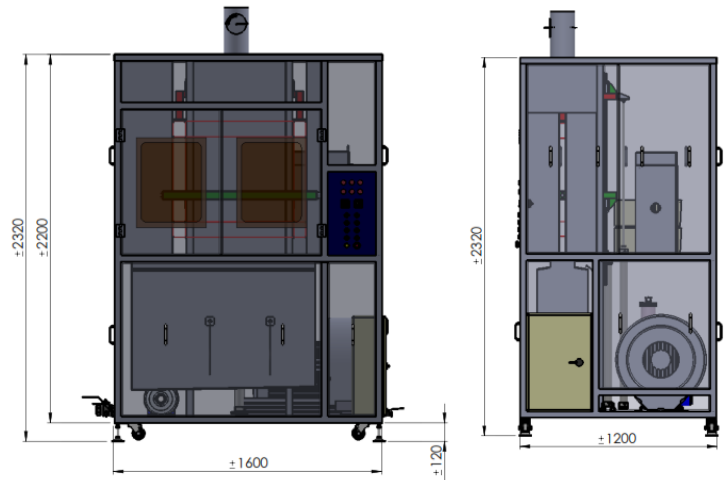
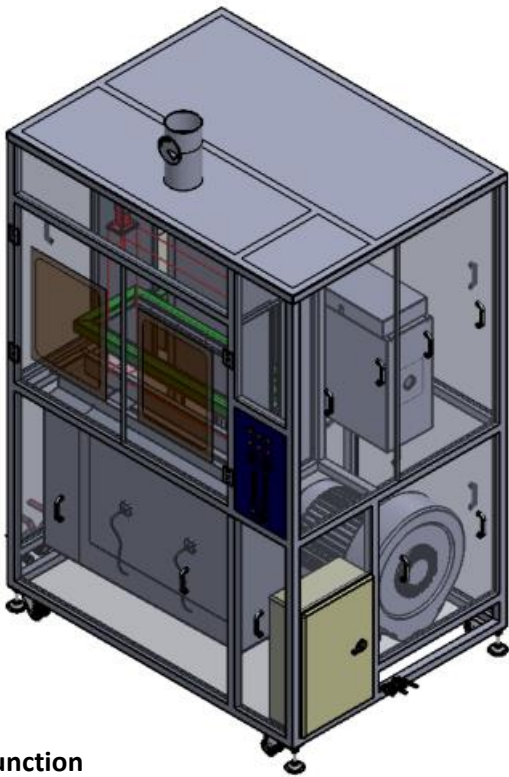
The system capable with swing agitation, ultrasonic or spray washing and Hot air + CDA blow dry to achieved the optimum dry result.



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

SSC-FA

Standalone 2 In 1 Ultrasonic Cleaning



Function

The SSC-FA will be loaded from front by open swing door. STENCIL / MIS-PRINT PCBA to be clean directly positioned into Flexi-adj spring holder cater size from 650-750mm, after loading and front door closed, then activate the process cycle START. The fully automatic 2-STEP process via auto liter for ultrasonic cleaning and reciprocating hot air blow dry.

Programming / Control

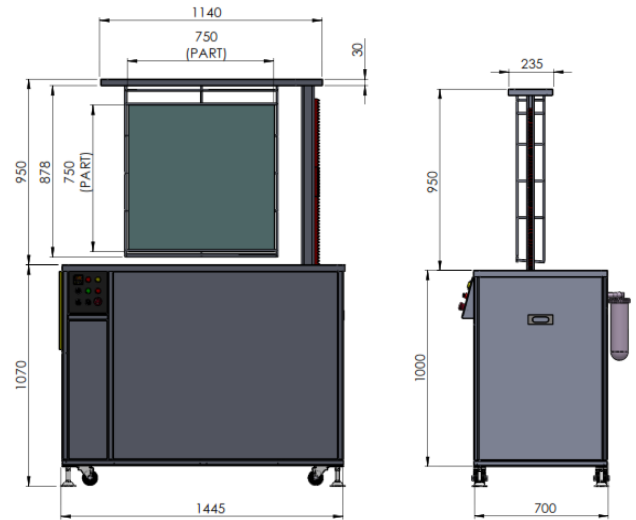
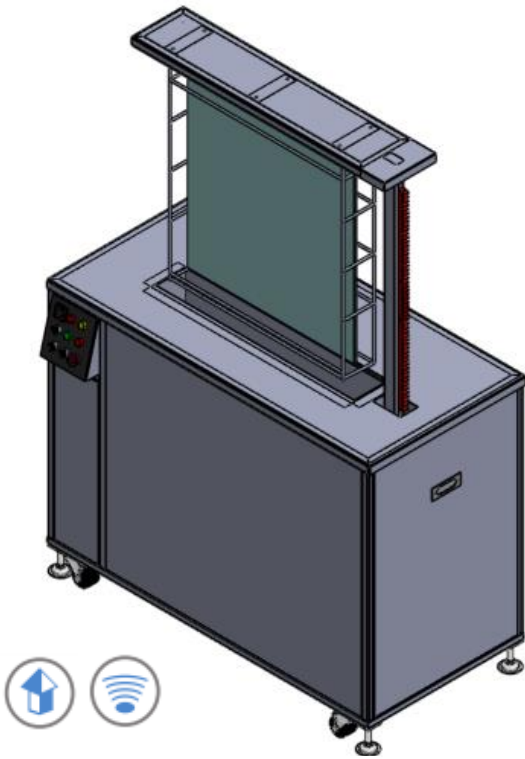
SSC-FA will be controlled by PLC, the cycle time of the respective 2STEP process is freely programmable in PLC with touch screen interface for parameter setting.



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

SSC-SA / SSC-M

Single Stage Ultrasonic Stencil Cleaner

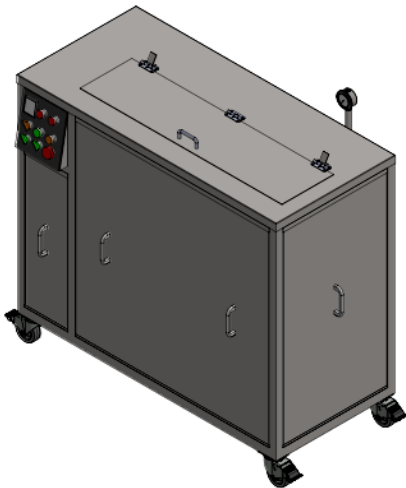


Function

The SSC-SA, design with easy loaded lifting mechanism by just slot in for the Stencil or PCB with holder onto Flexi-adjust spring carrier. The carrier cater for max size up to 750mm with top enclosure, after loading activate process by pressing cycle START. The lifter will transfer automatic into washing bath for ultrasonic cleaning; SSC-M, an economic version without lifting mechanism. Both system with common process features integrated such as overflow with level sensor protection, pump & filter circulating with gauge for pressure indicate, heater for liquid with digital temperature control & setting, in term of air blow SSC-M with air gun manually blow off the water or chemical after wash.

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.

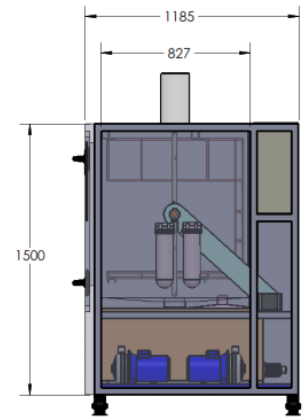
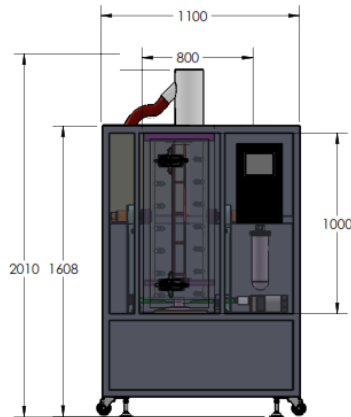
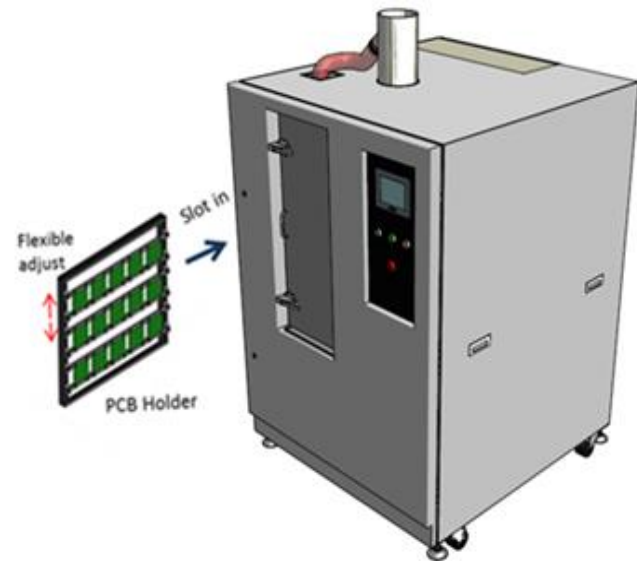


TECHNICAL SPECIFICATION	SSC-SA / SSC-M
Overall dimension (LxWxH)	1450x700x1900/1100mm
Max object handle capability	H550~750mm x W750mm
Cycle time	20-30min
Wash Tank capacity	150L
Filtration	10 micron
Ultrasonic Power / Frequency	1800W / 40kHz
Power Source	380-415-VAC, 3Ph / 240VAC, 1Ph
Framework & cover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



SBC-31S / SBC-21S

Single Batch Spray Stencil Cleaner



Function

The SBC-31S & SBC-21S a single batch spray cleaning system suitable for stencil & misprint PCB cleaning, this system comprises solvent spray cleaning and CDA blow dry or chemical spray cleaning, water spray rinse and CDA blow dry which is SBC-31S model, the spraying pattern covers all angles with build in spray nozzles form both side, if cost efficient with low water usage

Programming / Control

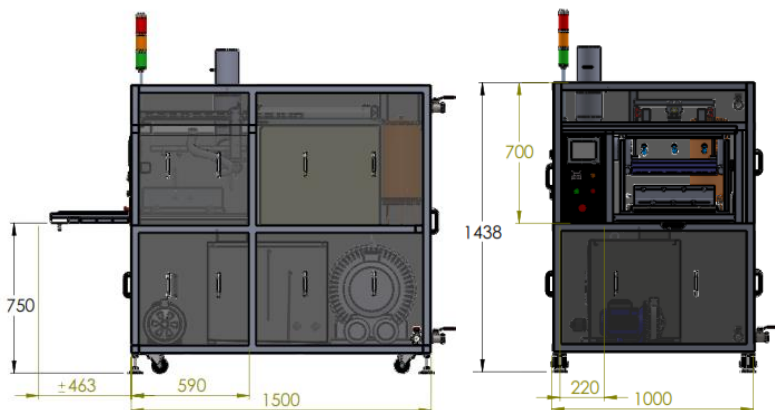
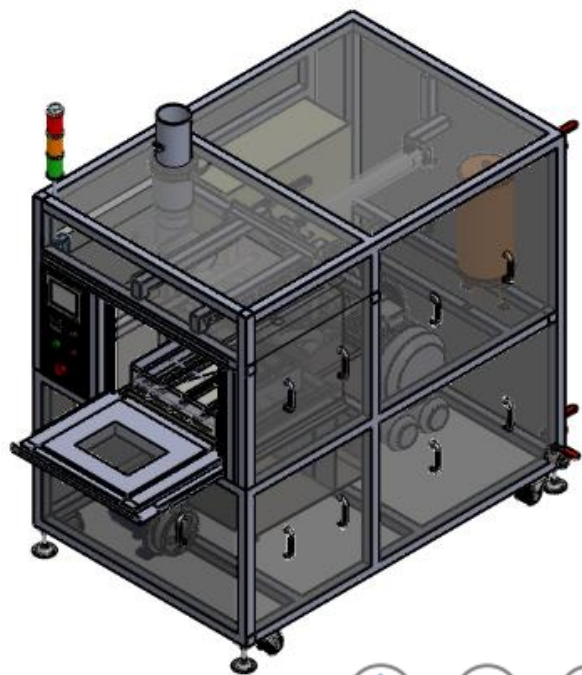
SBC-31S & SBC-21S will be controlled by PLC, the cycle time of the respective 3-STEP & 2-STEP process is freely programmable in PLC with touch screen interface for parameter setting.



TECHNICAL SPECIFICATION	SBC-31S	SBC-21S
Overall dimension (LxWxH)	1100x1185x2010mm	1100X1185X2010
Max object handle capability	H650~750mm x W750mm	H650~750mm x W750mm
Cycle time	15-30min	10-20min
Sub Tank capacity	50L (x2)	50L (x1)
Filtration	10 micron	10 micron
Spray Pressure	3-4 bar	3-4 bar
Spray wash	YES	YES
Spray Rinse	YES	NIL
CDA Blow Dry	YES	YES
Power Source	380-415 VAC, 3Ph	380-415 VAC, 3Ph
Framework & cover	Fully stainless steel	Fully stainless steel
Weight	550kg	500kg
Compress Air	2500 LPM @ 3bar	2500LPM @ 3bar

SBC-201

Single Batch Spray Cleaner

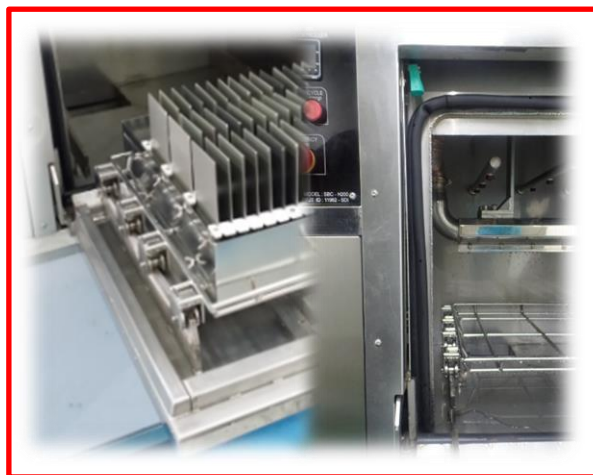


Function

The SBC-201 cleaning system with 2-STEP automatic process such as hot water spray wash & reciprocating hot air knife blow dry, to clean the substrates in water flux residue, dust and many more. Permanent top & bottom spraying. The cycle depend on the nature of contamination.

Programming / Control

SBC-201 will be controlled by PLC, the cycle time of the respective 2-STEP process is freely programmable in PLC with touch screen interface for parameter setting.

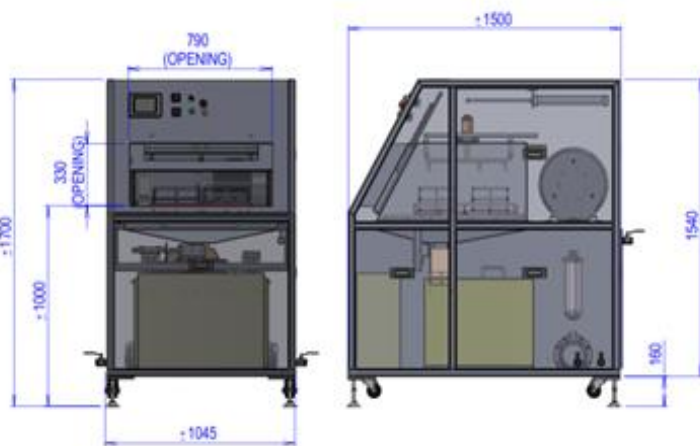
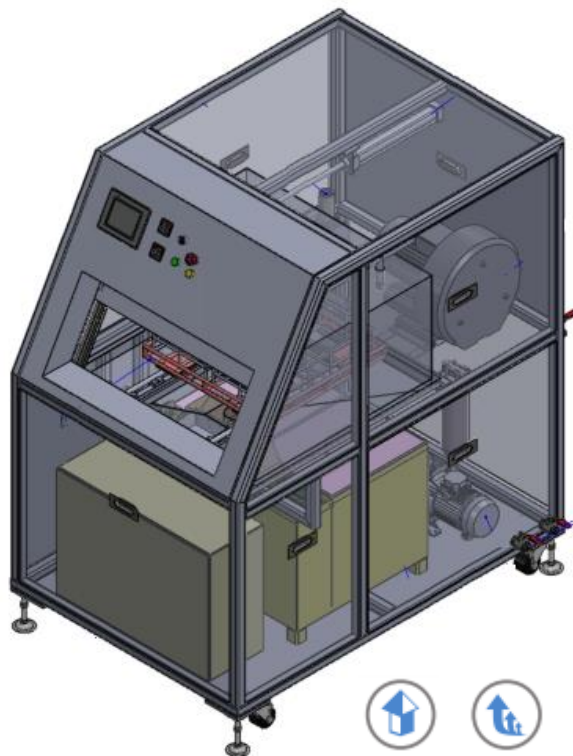


TECHNICAL SPECIFICATION

Overall dimension (LxWxH)	1000x1500x1450mm
Basket Carrier size (max) (LxWxH)	500x500x120mm
Cycle time	30min
Reservoir (Sub Tank) capacity	50L
Filtration	10 micron
Spray pressure	3-4 bar
Power Source	380-415 VAC, 3Ph
Framework & cover	Fully stainless steel
Weight	450kg

SBC-301

Single Batch Rotate Spray Cleaner



Function

The SBC-310 cleaning system with 3-STEP automatic process such as top spray wash, spray rinse & CDA blow dry with hot air, to clean metal precision parts after machining purpose to remove oil, coolant, dust and many more. Cross spray nozzle design with forward-reverse rotating spray mechanism enhance cleaning performance.

Programming / Control

SBC-301 will be controlled by PLC, the cycle time of the respective 3-STEP process is freely programmable in PLC with touch screen interface for parameter setting.



TECHNICAL SPECIFICATION

Overall dimension (LxWxH)	1050x1500x1700mm
Basket Carrier size (LxWxH) (ID)	500x500x100mm
Cycle time	30min
Reservoir (Sub Tank) capacity	50L
Filtration	10 micron
Spray pressure	2-3 bar
Power Source	380-415 VAC, 3Ph
Framework & cover	Fully stainless steel
Weight	450kg

SUE

Mold, Tooling & Die Cleaning Application

Ultrasonic + Electrolysis Cleaner

- 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 outgasing 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.

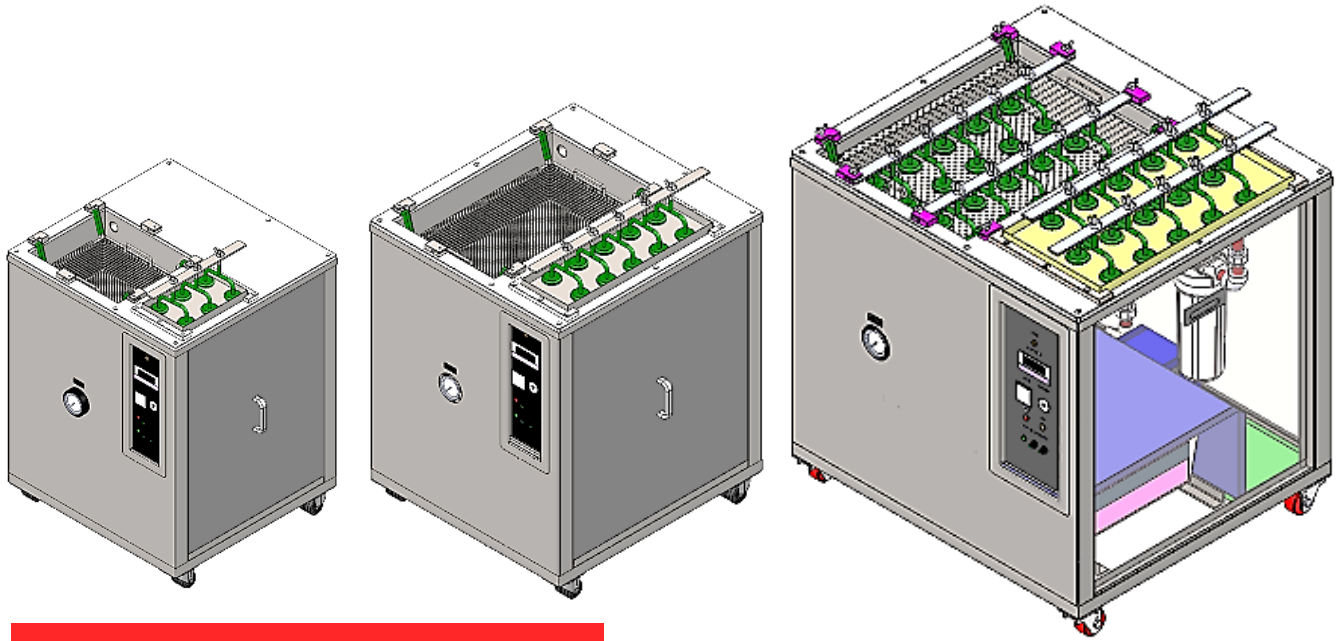


- Perfect cleaning result with recommended chemical

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

- Compact footprint, mobile type easy for shifting & flexible



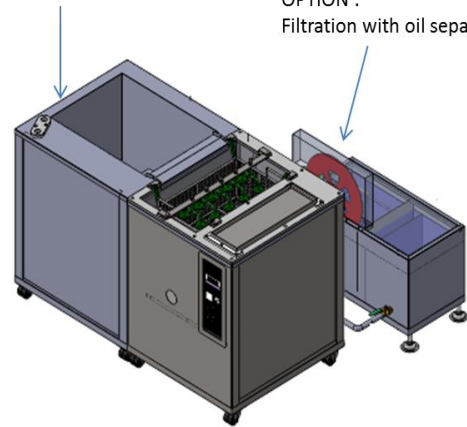


***PROHIBITED MATERIAL:**
Coper, Brass, Alloy, Aluminum, Zinc.

***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

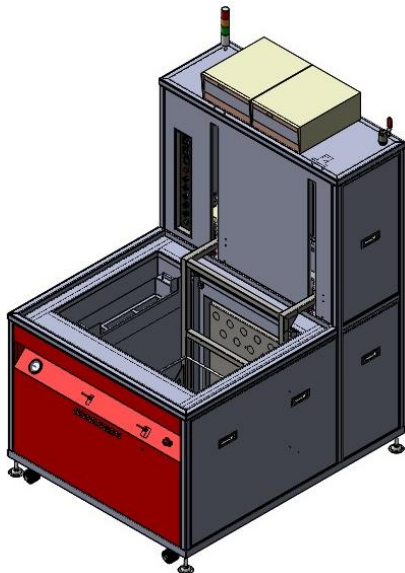
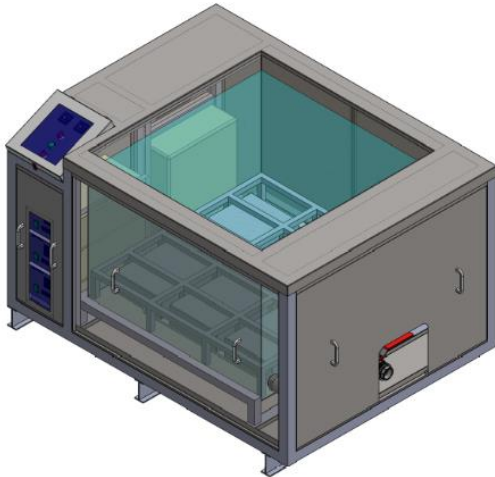


MODEL	SUE-20	SUE-30	SUE-50
SPECIFICATION			
Overall dimension (mm)	650x650x850 (LxWxH)	1600x950x2100mm	1600X1200X2100
Internal Tank Dimension (mm)	300x400x300 (LxWxD)	450x550x300 (LxWxD)	650x700x300 (LxWxD)
Tank Capacity	25L	50L	85L
Basket Size (Outer) (mm)	250x350x200 (LxWxH)	400x500x200 (LxWxH)	600x600x200 (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

SD/SS/MDL

MULTIPLE / HEAVY DUTY

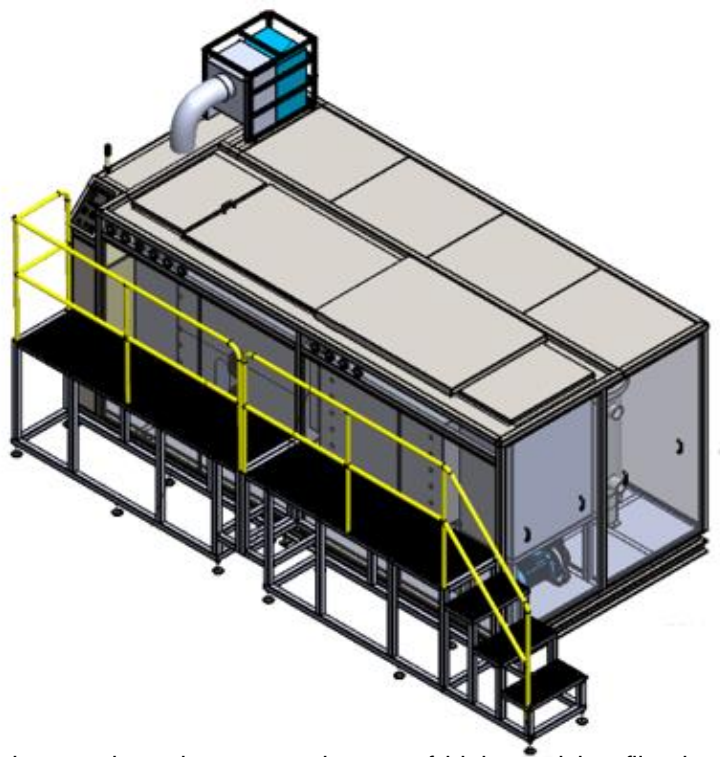
Parts & Components Cleaning Application



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.

Multipurpose / Paint Stripping

With our innovation and continuous development, Sonictron remains at the forefront of one-stop industrial paint stripping solutions provider. For every coating, we have the right technology accompanied with the most effective chemical. Chemical stripping is gentle on temperature-sensitive parts. High Pressure Ejecting Mechanism in used to wash off the remove paint and High flow Eduction to rinse off remaining paint residues.

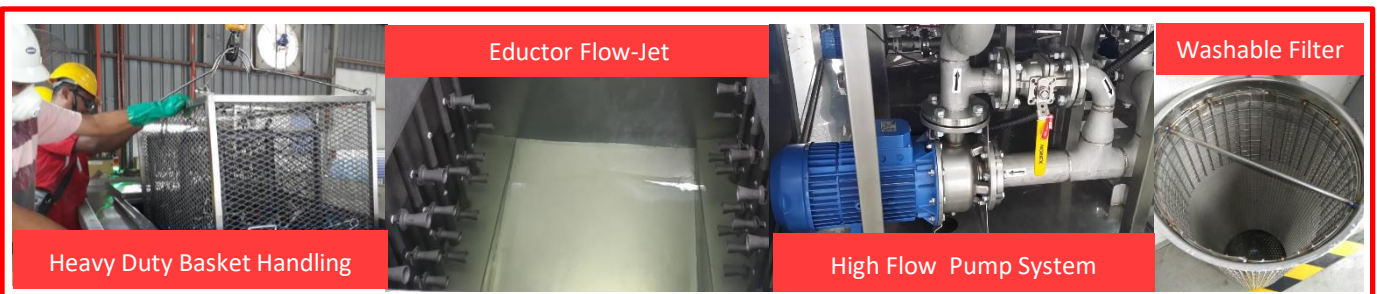


Taking sustainability and environment into consideration, we have incorporated a set of high precision filtration installation to recover and recycle the contaminated chemical. Paint sludges are screened before they can find their way into the filtration system. Chemical fume is prevented from escaping into the surroundings with the installation of a mist collector.

Our success stories encompass various items and these items can be categorised into:

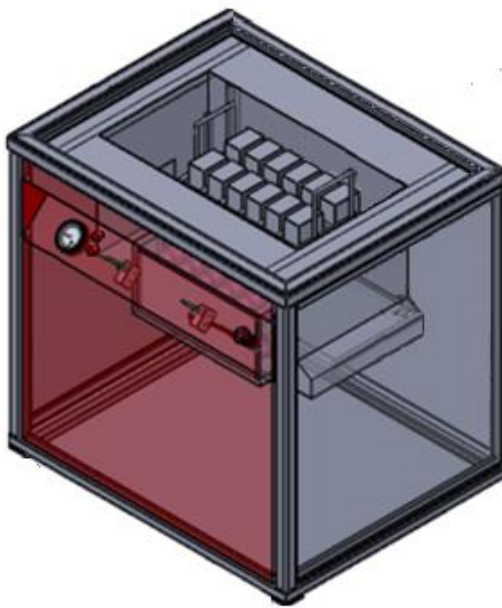
- (a)mounting tools / painting aids – jigs, hangers, gratings
- (b)incorrectly painted / coated parts for rework
- (c)automotive parts and more

Performance



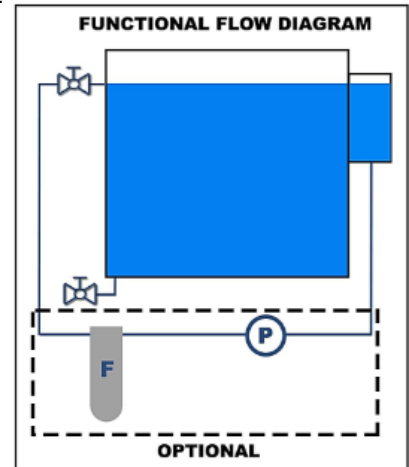
SS

Multipurpose Industry Ultrasonic Cleaner



Sonictron's SS series satisfy the need of different industrial cleaning application. The series is another Sonictron's cleaner capable with matching variable ultrasonic power and frequency from 25, 28, 40, 68, 80, 132, 170 & 200kHz

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.



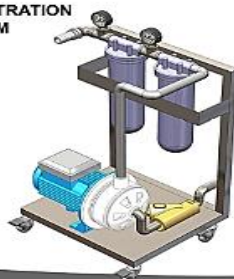
Model

SPECIFICATION

	SS-300H	SS-600H	SS-900H	SS-1200H	SS-1500H	SS-1800H	SS-2100H	SS-2400H
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	15L	25L	45L	60L	80L	100L	120L	150L
Ultrasonic Power	300W	600W	900W	1200W	1500W	1800W	2100W	2400W
Ultrasonic Frequency	25 / 28 / 40 / 68 / 80 / 100 / 132 / 170 / 200 kHz							
Heater Power	500W	800W	1500W	2000W	3000W	4000W	6000W	10000W
Power Source	240VAC / 1Ph				380-415VAC / 3Ph			

ACCESSORIES

MODULAR FILTRATION SYSTEM

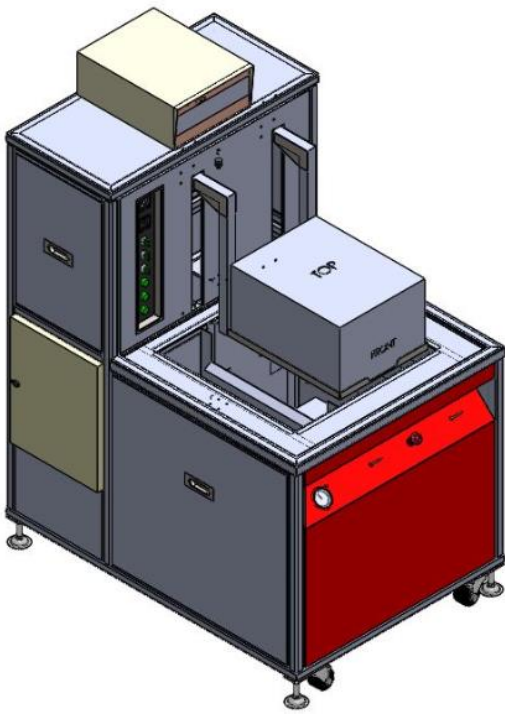


SS SUPPORT



MDL-SA

Multipurpose Modular Semi-auto Cleaner



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

Auto lifter mechanism for the basket transferring into cleaning process, the lifter with up/down agitation capability to improve the cleaning efficiency, overflow filtration with pre-filtration mechanism create optimum treatment pattern prolong the chemical quality.



TECHNICAL SPECIFICATION

MODEL

	MDL-SA60	MDL-SA100	MDL-SA150
Tank Dimension	Flexible base on tank volume as guideline		
Basket Carrier size (LxWxH)	Flexible adjust base on specific cleaning parts required		
Tank Volume Range Between	60 L	100 L	150L
Cycle Time	Adjustable via timer		
Filtration	10 micron		
Ultrasonic Output / Dual Frequency	1200W / 28 or 40Hz	1500W / 28 or 40kHz	2400W / 28 or 40kHz
Heater	5 KW	6 KW	10 KW
Power Source	380-415VAC, 3Ph, 50Hz	380-415 VAC, 3Ph, 50Hz	380-415 VAC, 3Ph, 50Hz
Power Consumption	25 Amp	30 Amp	40 Amp



SUG

Sonic Digital



Ideal for Precision Cleaning

ULTRASONIC GENERATOR

SUG-III / SUG mark-III Series

IMMERSION ULTRASONIC VIBRATOR

SI Series

Ultrasonic Generator

SUG - III Series



SUG - III Features

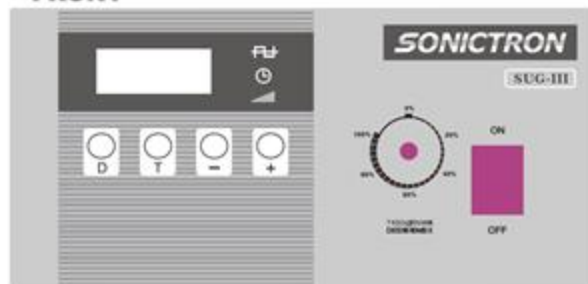
- ▶ Output Power Control
- ▶ Overload Detection
- ▶ Sweep and Remote Function
- ▶ Micom and PLL Function
- ▶ Timer
- ▶ Touch Switch
- ▶ LCD Display

SPECIFICATION

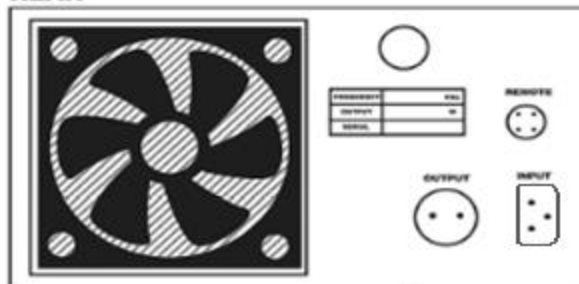
MODEL SPEC								
POWER (W)	300	600	900	1200	1500	1800	2100	2400
AVAILABLE FREQUENCY (kHz)	20 28 40 50 68 80 108 132 170 200							
INPUT POWER	240V FREE VOLTAGE 1 PHASE 50 Hz							
DIMENSION (LxWxH)(mm)	290 x 370 x 150							
DISPLAY TYPE	LED DISPLAY							
WEIGHT (KG)	10							

PANEL VIEW

FRONT



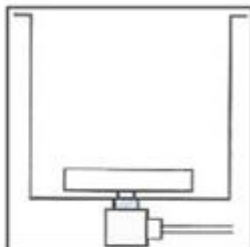
REAR



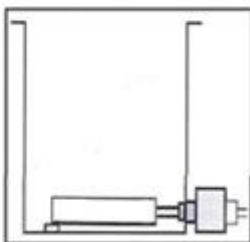
IMMERSIBLE TRANSDUCER

SI-SERIES

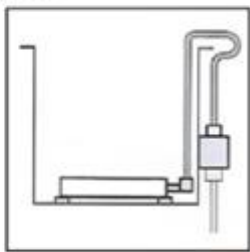
TRANSDUCER MOUNTING OPTION



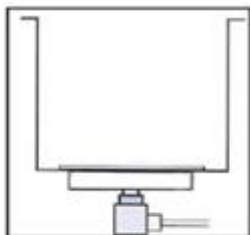
BOTTOM BULK HEAD



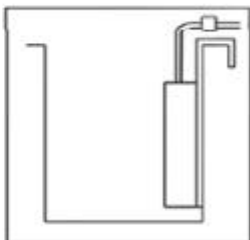
SIDE BULK HEAD



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-III* 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

Our Integrity Your Guarantee



TEXSONIC

Bench-Top Ultrasonic Cleaner

TEXSONIC



Basket and Tray



Key Feature

The TEXSONIC's TUC-P series ultrasonic cleaner offer with combines with more functionality such as LCD display, Sensitive touch button & Knob control setting which in most convenience technical features to obtains even better result.

LCD Display Panel

This LCD screen displaying the cleaner functionality such as ultrasonic frequency, output power selected 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 mode for high strength cleaning power required.

Dry Run Proof Heater

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





Model	TUC-P10H	TUC-P20H	TUC-P30H	TUC-P40H
-------	----------	----------	----------	----------

Capacity	0.7L	2.0L	4.5L	6.0L
Cleaner Outer Dimensions	175 x 110 x 185mm	175 x 160 x 220mm	325 x 175 x 285mm	325 x 175 x 295mm
Internal Tank Dimensions	150 x 85 x 65mm	150 x 135 x 100mm	240 x 140 x 150mm	300 x 150 x 150mm
Power Supply	230V / 50Hz	230V / 50Hz	230V / 50Hz	230V / 50Hz
Sound Frequency	37KHz	37KHz	37KHz	37KHz
Ultrasonic Power	60W	60W	120W	180W
Heating	60W	100W	200W	200W
Drain Tap	No	No	No	No
Haruses	No	No	Yes	Yes
Top Cover (Lid)	Yes	Yes	Yes	Yes
Degass	Yes	Yes	Yes	Yes
Sweep	No	No	Yes	Yes
Pulse	No	No	Yes	Yes
Power setting	No	No	Yes	Yes

Machine Specification



Machine Specification

Model	TUC-P50H	TUC-P60H	TUC-P80H	TUC-P100H
Capacity	10L	13L	22L	28L
Cleaner Outer Dimensions	325 x 265 x 430mm	355 x 325 x 415mm	525 x 325 x 365mm	525 x 325 x 365mm
Internal Tank Dimensions	300 x 240 x 150mm	300 x 240 x 200mm	500 x 300 x 150mm	500 x 300 x 200mm
Power Supply	230V / 50Hz	230V / 50Hz	230V / 50Hz	230V / 50Hz
Sound Frequency	37KHz	37KHz	37KHz	37KHz
Ultrasonic Power	240W	300W	480W	600W
Heating	200W	300W	500W	700W
Drain Tap	Yes	Yes	Yes	Yes
Handles	Yes	Yes	Yes	Yes
Lid	Yes	Yes	Yes	Yes
Degas	Yes	Yes	Yes	Yes
Sweep	Yes	Yes	Yes	Yes
Pulse	Yes	Yes	Yes	Yes
Power set	Yes	Yes	Yes	Yes

OUR VISION

Create A

Sustainable

Engineering

Team

Respond

On

Need

For Our Client

SONICTRON



MAINTENANCE & SERVICES

About On-Field Team

- Experienced and trained engineers & technician
- Able to troubleshoot and service on site
- Expert in almost all cleaning machine process, mechanism and control system either fully auto, semi auto or manual.
- Experienced and trained in ultrasonic generator and vibrator application and performance.
- Expert in ultrasonic generator & vibrator troubleshoot and certified to calibrate Sonictron Generator



**Preventive
maintenance**

**Machine systems
Improvements**

**Machine inspection
& Troubleshoot**

**SERVICE
OFFER**

**Ultrasonic vibrator & generator
troubleshoot & services**

**Custom parts, spare
part supply & install**

- Cooling system service and leak & performance test components inspect
- Filtration system service and leak & performance test components inspect (INCLUDE REPLACE COMPONENT)
- Circulation system service and leak & performance test components inspect
- DI water service and leak & performance test components inspect
- Heating system service, performance test components inspect
- Auto dosing system service, component inspect & improvements

- Loading and Unloading mechanism component inspect and service, function and performance test
- Horizontal Transfer mechanism component inspect and service, function and performance test
- Vertical Transfer mechanism component inspect and service, function and performance test
- Agitation/Cleaning/Rinsing mechanism component inspect and service, function and performance test
- Drying mechanism component inspect and service, function and performance test
- Drying mechanism component inspect and service, function and performance test

- Control system component inspect and service, function and performance test
- include hardwired, semi auto, fully auto system

PROCESS



MECHANICAL





In-house experienced machine designers and production team



In-house ultrasonic generator and vibrator manufacturer and with spare parts ex-stock



In-house certified to calibrate and tuning ultrasonic generator and vibrator



Wide range of supplier database with strong technical support



In-house FMEA implementations with certified team members and in-house common practice



In-house programmers and electrical engineers and experts



Wide range in-house machine components and spareparts database

[illegible]

Tel: +603 3359 5902 **Fax:** +603 3359 5912
E-mail: info@sonictron.com.my

www.sonictron.com.my