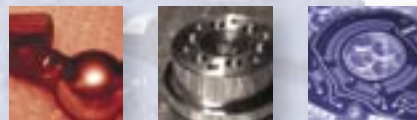


# Amsonic

Precision Cleaning



## EgaClean

Solvent parts cleaning systems  
(Class A3 hydrocarbons)

**YKT** Exclusive Distributor  
**YKT Corporation**

URL <http://www.ykt.co.jp> E-mail [ykt100@ykt.co.jp](mailto:ykt100@ykt.co.jp)

**Headquarters**

7-5, Yoyogi 5-chome, Shibuya-ku, Tokyo 151-8567, Japan  
Phone: +81-3-3467-1251 Fax: +81-3-3485-7990

**YKT (Shanghai) International Trading Co., Ltd.**  
7th Fl.-K. Huamin Empire Plaza 726, Yan An West Road,  
Shanghai, 200050, P.R.China

Phone: +86-21-6225-9911 Fax: +86-21-5238-0087

**YKT (TAIWAN) CORPORATION**

6th Fl.-3, Nanjing World Trade IC Building 343,  
Nanjing E Rd.Sec. 5, Taipei, Taiwan  
Phone: +886-2-2745-5430 Fax: +886-2-2745-5630

**YKT EUROPE GmbH**

Hedelfinger Strasse 1773760 Ostfildern, FR.Germany  
Phone: +49-711-443264 Fax: +49-711-4411281



*Cleaning technology for metals,  
ceramics and synthetics*

# EgaClean 4100/4200



The EgaClean is a compact single chamber cleaning unit with a high capacity. It uses a patented procedure that, at a high temperature, applies non-chlorinated solvents under vacuum. The unit cleans, vapour degreases, dries and distillates automatically in a closed circuit. The vacuum technology increases the cleaning effect and guarantees a safe operation of the machine. The cleaning quality is improved by ultrasonics and micro filtration.

The cleaning program is chosen considering the type of cleanliness soiling, the geometry of the parts and requirements. The productive capacity lies at 4 to 6 charges per hour. The EgaClean is equipped with a working tank and a clean tank. The distillation capacity assures a continuous availability of clean solvent. The tank volume, the heating capacity and the distiller are optimally coordinated. Several solvents can be used, e.g. Isoparaffin or modified alcohols. The automatic loading unit is equipped with roller conveyors, automatic basket covering and automatic program identification by means of barcodes.

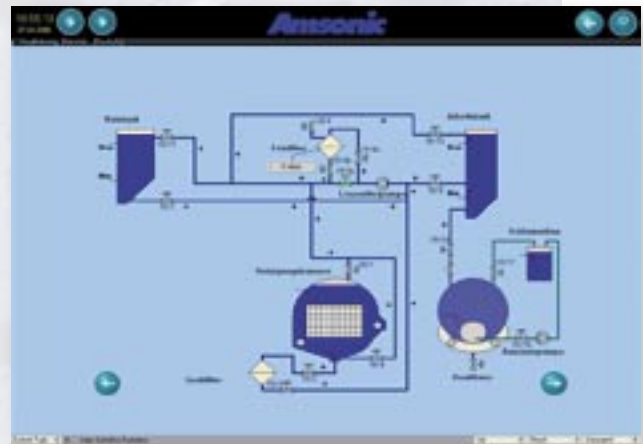
The future belongs to the non-halogenated All solvents. These solvents include hydrocarbons, modified alcohols and other specific solutions. Their dissolving power, their environmental performance and their economic efficiency is what makes All solvents a true alternative to chlorinated solvents. Amsonic remains a pioneer within this technology.

## Technical specifications

		<b>Model 4100</b>	<b>Model 4200</b>
External dimensions:	L x W x H	1335x2560x2050mm	1445x2560x2050mm
Weight:		1950 kg	2500 kg
Solvent capacity:	Clean tank	165 l	440 l
	Working tank	260 l	350 l
	First filling	425 l	790 l
Basket dimensions:		520x320x200mm	670x480x320mm
Max. weight per charge:		50 kg	100 kg
Basket movement:	Rotation: 5-30 rpm		
	Rotation, oscillation, static		
Distillation:	Continuously	60 l/h	90 l/h
Cycle time:		9 – 15 min.	9 – 15 min.
Solvents:	Isoparaffin, modified alcohols		
Electricity:		400V 50 Hz	400V 50 Hz
		26.5 kW	55 kW
Air:		6 – 10 bar	6 – 10 bar
Computer control:	PC with touchscreen and modem		
Options:	Loading and unloading conveyor / ultrasonics / micro filtration software for process documentation etc.		

## PC control with touchscreen

The machine is controlled by a user-friendly computer that includes more than 50 cleaning programs and 15 maintenance programs such as the emptying of the distiller or the changing of the micro filter. Process times and temperatures are user-dependent. The machine is operated by a user-friendly touchscreen; depending on the existing software options, it can be graphically visualised on the display and all relevant process data can be documented (a modem with the appropriate remote maintenance software is standard and eases the customer support).



## Applications

Turned parts, precision cleaning prior to PVD or CVD coating, cleaning prior to plating or laser welding, precision tools – these are only a few application areas for Amsonic technology.

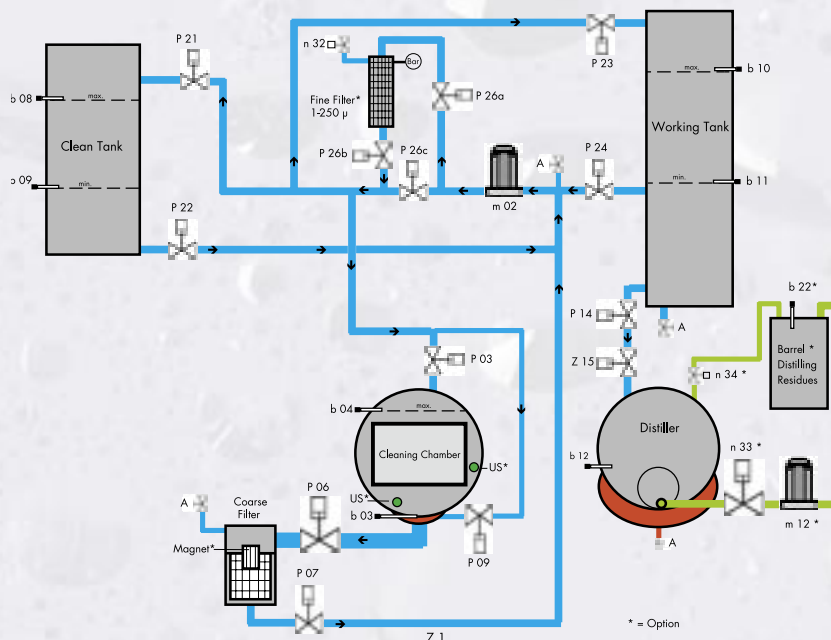
Non chlorinated A3 solvents protect cleaned parts from corrosion. They are therefore preferable to chlorinated or water-based solvents. Solvents (isoparaffin or modified alcohols) are almost indefinitely distillable. The yearly consumption,

depending on the application, is approx. 200 litres.

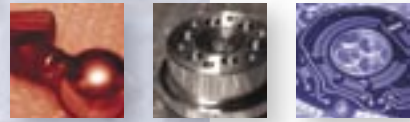
No matter if your customers request a guarantee for surface tension or particle free parts or if you need to clean a high volume – Amsonic has long time experience with A3 solvent cleaning and will recommend the equipment best suitable for you.



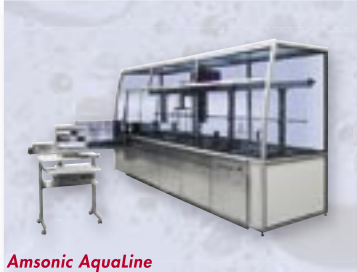
## Solvent circuit







## The centre of competence for precision cleaning



Amsonic AquaLine



Amsonic EVD



Amsonic ECS 40



Amsonic Swash

Amsonic offers a wide range of water-based and closed, A3 solvent based ultrasonic cleaning units that provide thorough cleaning processes for various industrial sectors:

### Water-based precision cleaning systems

- **Amsonic CleanLine**  
High performance cleaning unit for precision parts of subcontracting industries
- **Amsonic AquaLine**  
Ultrasonic cleaning unit with an automatic transport system
- **Amsonic HandyClean**  
Ultrasonic cleaning unit with an automated lift / thrust system
- **Amsonic TTC / BC**  
Ultrasonic compact units, tabletop units

### Solvent based precision cleaning systems

- **Amsonic EVD**  
Solvent based ultrasonic and/or spray cleaning unit (class A3)  
Cleaning below the flashpoint
- **Amsonic ECS 40 / EgaClean**  
Solvent based ultrasonic and/or spray cleaning unit (class A3)  
Cleaning above the flashpoint

### Combined precision cleaning systems

- **Amsonic Swash**  
Water and solvent based ultrasonic cleaning unit (class A3)
- **Amsonic StepEx**  
Water and solvent based ultrasonic cleaning unit (class A1 / ATEX certified)

### Detergents and additives

- **Amsonic PreciClean**  
Detergent product line



**Amsonic AG Schweiz** (Headquarters)  
Zürichstrasse 3, CH-2504 Biel/Bienne  
Tel.: +41 (0)32 344 35 00  
Fax: +41 (0)32 344 35 01  
amsonic.ch@amsonic.com

**Amsonic Deutschland GmbH**  
Tel.: +49 (0)7141 643 260  
Fax: +49 (0)7141 643 2610  
amsonic.de@amsonic.com

**Amsonic France SAS**  
Tel.: +33 (0)450 43 96 50  
Fax: +33 (0)450 37 67 10  
amsonic.fr@amsonic.com