

# CELLSONIC AUTO RANGE



**Caresonic** are recognised as a market leader in the design and manufacture of ultrasonic cleaning equipment for Anilox rollers.

The **CELLSONIC AUTO** range of machines are offered in a variety of specifications and are probably the most sophisticated systems available in the market. These units use the latest Siemen's S71200 technology to completely automate the roller cleaning process, this combined with a fully programmable touch screen display allows for total user control over the process whilst also providing complete automation of the cleaning cycle.

The first stage of the cycle is cleaning, for this the system is fed from an in line holding tank, this feeds pre heated chemical, into the main chamber where the roller or screen is housed for the ultrasonic process to commence.

With the cleaning complete the unit will filter and return the cleaning detergent back to the holding tank. The system then moves onto a rinsing cycle to ensure no residue is present on the roller before moving onto it's final drying stage. Once complete the roller is ready to go back into production or storage.



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## What is Ultrasonic Cleaning?

Ultrasonic cleaning works by producing millions of jets or streams of cavitation bubbles within a liquid which collapse against any hard surface removing contaminated particles with each implosion. As these cavitation bubbles are smaller than one micron they penetrate into all areas.

## Why choose Caresonic?

With over 25 years' experience, we pride ourselves on being THE experts in ultrasonic cleaning innovation, technology and construction. Our equipment is specifically designed and constructed for safe and superior performance on laser engraved ceramic Anilox rolls offering long life and continuous service to the print roller cleaning industry throughout the world.

## Unique Characteristics

### Generator

The powerful and efficient FMG generator system offers a patented frequency sweep for uniform and intense cavitation. With its efficient energy transfer, the generator requires no forced air cooling and channels energy directly into the transducers.

### Transducers

The transducers are made of high quality phosphor-bronze/silver construction in order to minimise heat build up, thus extending the life of the transducers and piezo electric crystals.

**Caresonic** ultrasonic cleaning systems offer a safe effective solution to the cleaning requirements of the flexographic printing industry.

**Caresonic** is "the safe choice" for your roller cleaning needs.



Designers and Manufacturers of **Ultrasonic Cleaning Equipment**

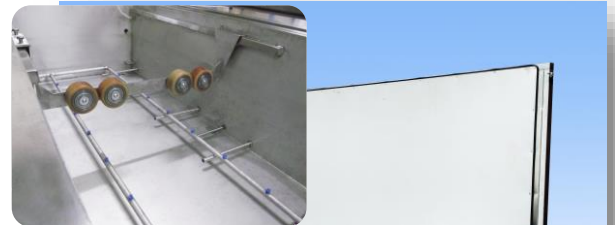
# Specifications

Model Number	External Dimensions	Internal Dimensions	Capacity	Ultrasonic Power	Heater Power	Tank Material	Case Material	Weight	Volts	Drain
Auto 1 1500	2000(l) x 550(w) x 900(h)mm	1500(l) x 300(w) x 350(d)mm	81L	800 watts	6+3 KW	2mm 316L	1.5mm 304L	300 KG	3 ph	1"
Auto 1 2000	2500(l) x 650(w) x 900(h)mm	2000(l) x 400(w) x 450(d)mm	180L	1800 watts	9+3 KW	2mm 316L	1.5mm 304L	325KG	3 ph	1"
Auto 1 3000	3500(l) x 650(w) x 900(h)mm	3000(l) x 400(w) x 450(d)mm	270L	2400 watts	9+3 KW	2mm 316L	1.5mm 304L	350KG	3 ph	1"
Auto 2 1500	2000(l) x 850(w) x 900(h)mm	1500(l) x 600(w) x 540(d)mm	225L	2400 watts	9+3 KW	2mm 316L	1.5mm 304L	325KG	3 ph	1"
Auto 2 2000	2500(l) x 850(w) x 900(h)mm	2000(l) x 600(w) x 540(d)mm	300L	3600 watts	9+6 KW	2mm 316L	1.5mm 304L	350KG	3 ph	1"
Auto 2 3000	3500(l) x 1150(w) x 900(h)mm	3000(l) x 900(w) x 540(d)mm	675L	6000 watts	12+6 KW	2.5mm 316L	1.5mm 304L	1500 KG	3 ph	1"

- ❖ Bespoke units and 3 roller units also available on request
- ❖ Dimensions exclude holding tank and control panel

Features include:

- ❖ 2mm 316L Stainless Steel Tanks
- ❖ Tandem Transducer Bars
- ❖ Full PLC control
- ❖ Integrated Pump and Filter
- ❖ Full Analogue Frequency Sweep
- ❖ Adjustable Roller Support
- ❖ High Quality Build Specification
- ❖ Patented High Efficiency Ultrasonic Technology



Optional extras:

- ❖ Baskets
- ❖ Chemicals

