



BRIO)[®]
AJTECNO ULTRASONICS

**ULTRASONIC
CLEANING EQUIPMENT**



brioultrasonics.com



EXPERIENCE, COMMITMENT, R&D&I

For more than 30 years now, the A&J Tecno Innovaciones S.L. team has been engaged in designing, manufacturing and in the national and international sales of ultrasonic cleaning equipment.

From the beginning, we have been strongly customer oriented, focussed on satisfying the cleaning, hygiene and disinfection needs of our customers, developing solutions and specific applications for every sector. Always with an R&D&I approach and a constant preoccupation with reducing the impact on the environment and the energy costs of our equipment.

BRIO is the result of years of research and constant improvement in the field of ultrasonic cleaning. A technology with many advantages and innovations and a name that represents our values of ruggedness, reliability, energy efficiency and superior cleaning results.



WorkTable Series equipment

All the power of BRIO ultrasonic technology in small dimensions inside our WorkTable Series equipment. Desktop equipment with all the features of the Manual series. Perfect for small parts in workshops, factories and industrial installations. Standard 6 L and 30 L models are available.

• MANUAL COVER

Cover designed to prevent dripping with a pre-frame to avoid vapour leaks. Optional thermal-acoustic insulation.

Vulcanised handle with an ergonomic design.

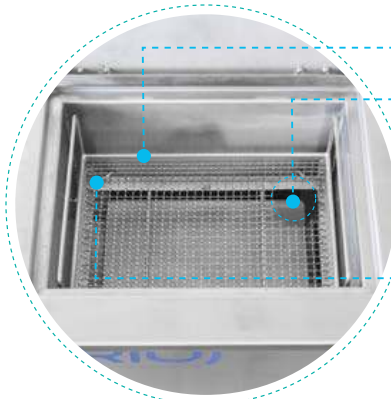
STAINLESS support for the cover.



• CONTROL PANEL

Easy and efficient control. With a Main power switch, safety push-button, digital thermostat with temperature control and push-button for turning on the heat and ultrasounds.

Interior view



Work basket

BRIO Ultrasonic Emitter

The design and power of the ultrasonic emitters is unique for each model in order to achieve the maximum performance.

Protective support edge

Support points for the basket that protects the emitter against impacts caused by parts.

• MANUAL WORK BASKET

STAINLESS tray where the objects to be cleaned are placed inside the main vat. It is shaped like a grate, which allows the fluid from flowing through it.



OPTIONAL EQUIPMENT

- THERMAL-ACOUSTIC INSULATION OF THE COVER
- FILTERING SYSTEM
- TAILOR-MADE STAINLESS BASKETS
- AUTOMATIC FILLING
- BATH SATURATION CONTROL
- AUTOMATIC DOSING OF DETERGENT
- VAPOURS EXTRACTION SYSTEM
- PRO SERIES FEATURES

WorkTable Series equipment

SPECIFICATIONS SUMMARY TABLE

Model	Vat capacity (L)*	Exterior dimensions (mm)*	Interior dimensions (mm)*	Heating element (kW)*	Ultrasonic power (W)*
BR-6 WT	6	440x345x445	250x170x150	0.3	200
BR-10 WT	10	490x405x445	300x230x150	0.5	300
BR-20 WT	20	690x480x445	400x325x150	1	500
BR-30 WT	30	690x480x500	400x325x230	1	600

* The measurements, capacities and maximum loads of the machines are provided as a guide. Our continuous improvement process in the designs and performances may cause these characteristics to vary. When requesting a quote, the final price will be provided. Please contact us and we will answer all your questions.



Lab Series equipment

SPECIFICATIONS SUMMARY TABLE

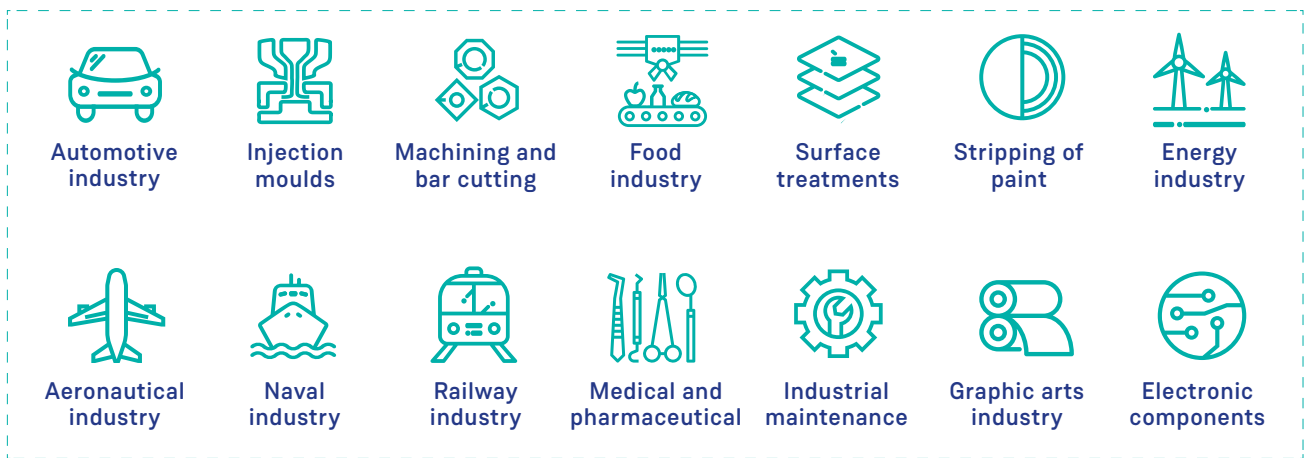
Model	Vat capacity (L)*	Exterior dimensions (mm)*	Interior dimensions (mm)*	Heating element (kW)*	Ultrasonic power (W)*
BR-3 Lab	3	270x170x240	240x140x100	0.1	100
BR-6 Lab	6	330x180x310	300x155x150	0.3	150
BR-10 Lab	10	330x270x310	300x240x150	0.3	200
BR-20 Lab	26	550x330x310	530x325x150	0.5	400
BR-30 Lab	34	550x330x360	530x325x200	0.5	500

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Sectors and Applications

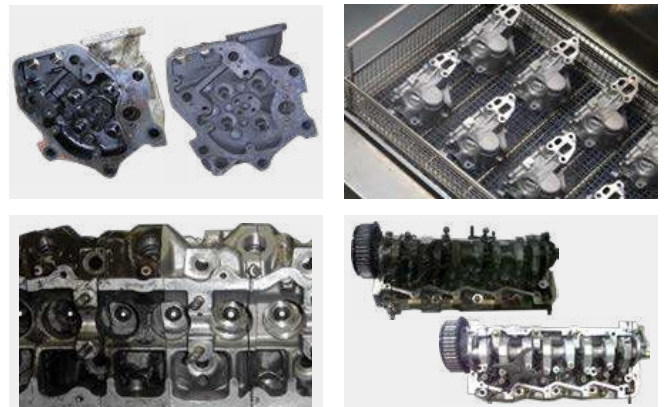
The exclusive BRIO Ultrasonics technology is ideal for cleaning and treating all types of parts and components made of any material. Therefore, even if your case is represented, please contact us so we can advise you and together we will develop the solution that is best suited for your needs.



Automotive industry

BRIO Ultrasonics equipment are the perfect supplement for rectification workshops, re-manufacturing of engines, scrapping, general mechanics and workshops specialised in any part of the engine.

Our exclusive technology fully radiates the inside of the parts to be cleaned, adapting to its size to accomplish a better cleaning and removal of carbon deposits. We achieve the best results on parts and components such as blocks, heads, turbos, injectors, collectors, radiators, coolers, particulate filters and EGR valves.



Injection moulds industry

Our BR MOLD line covers all the cleaning and treatment needs of the sector using tailor-made multi-stage equipment. We install BRIO ultrasonic cleaning stages, rinsing, anti-corrosion protection, etc.

We perform a complete cleaning of any mould, cooling duct, spare parts, extractors, figures, slotted parts, sliding parts, etc. We reach every crevice of parts without needing to disassemble them and we achieve optimum results on injection moulds for zamak, magnesium, plastic, rubber and any other material.



Sectors and Applications

Machining and bar cutting

Cleaning using BRIO ultrasonic equipment is the perfect solution for removing shavings, oxide, oils and any dirt. Also, it is applicable to all types of materials such as Stainless steel, carbon steel, brass, bronze, aluminium, zamak and technical plastics.

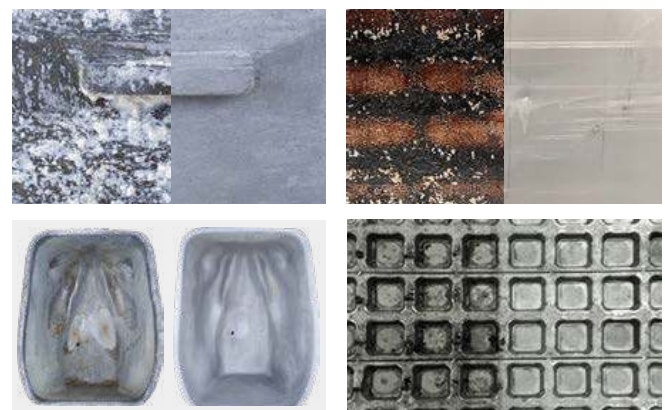
The parts cleaning process for this sector usually requires different treatments. We develop tailor-made multi-stage equipment that allows us to treat the parts in several phases: BRIO ultrasonics cleaning, rinsing, passivation and drying.



Food industry

Our BR FOOD line is developed exclusively to comply with the cleaning, hygiene and disinfection standards of the food sector. We provide superior hygiene results in the elimination of grease, oils, residue, burn deposits, lime deposits, etc.

Our system works perfectly with the materials that are most commonly found in the food industry: Stainless steel and plastics. We achieve optimum results in the cleaning of pallets, trays, cutlery, hooks, continuous processes, etc.



Surface treatments

At BRIO Ultrasonics we have developed multiple cleaning solutions for surface treatments, stripping, degreasing, pre-treatments and baths designed for technical processes, galvanising techniques, nickel plating, chrome plating, paint lines, etc.

Our exclusive technology is used to perfectly treat and prepare parts for subsequent processing. We remove grease, polishing pastes, oils, graphites and dirt of all types on metal and plastic parts. All of this quickly and efficiently, reaching 100% of its geometry.



Stripping of paint

BRIO ultrasonics cleaning fully removes paints such as epoxy, polyester, water based, polyurethane and varnishes. All much faster and more efficiently than using traditional systems and without damaging the parts. It is also the best option for refurbishing scrap parts, stripping of frames, etc.

We are experts in industrialised processes for stripping iron and aluminium. We recover high value parts such as alloy wheels or aluminium profiles in architecture, frames and other scrap parts.

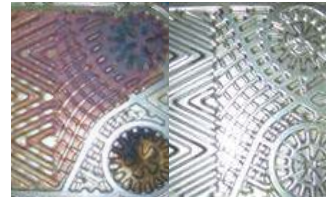


Sectors and Applications

Energy industry

At BRIO we develop solutions that are exclusively for the nuclear, wind, thermal, cogeneration and solar sectors. Some of the main applications are:

- **Nuclear.** Cleaning of heat exchangers, cleaning of heads and removal of radionuclides.
- **Cogeneration.** Removal of carbon deposits, cleaning of engines and cleaning of heat exchangers.
- **Wind.** Maintenance of engines, gear boxes, etc.



Aeronautical industry

Our exclusive ultrasonic cleaning technology provides the best cleaning solution for manufacturers of components for aviation and maintenance, repair and inspection (MRO) centres.

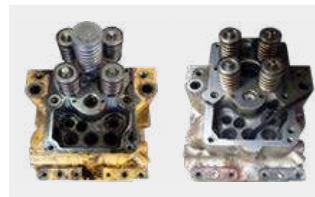
In a sector where safety is paramount, BRIO ultrasonic cleaning equipment do not cause damage to the materials nor do they alter the geometry of the surface of the parts. This makes them ideal for cleaning hydraulic systems, heat exchangers, engine parts, injection pumps, blades, turbines, etc.



Naval industry

The exclusive BRIO technology in installations that are designed and tailor-made for the naval sector. We cover all the cleaning requirements of the sector, while following the most stringent safety regulations.

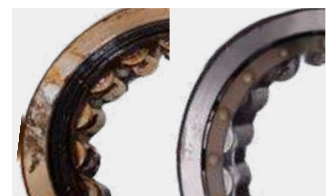
We provide turnkey projects aimed at removing deposits such as lime, carbon, oxides, grease, and paints from components such as heads, exchangers, blocks, inter-coolers, pistons, sleeves, valves and others.



Railway industry

Our BRIO equipment are the best cleaning solution for precision work such as construction and maintenance of railway networks and railway infrastructures. This is because we keep the shape of the parts unaltered, leaving them 100% free of impurities.

We adapt the designs of our machines, in size and shape, to cover any need of the sector. We clean rails, needles, check rails, crossing frogs, wheel sets, bogies, bearings, brake callipers, rotary and drive equipment, etc.



Sectors and Applications

Medical and pharmaceutical

At BRIO we strictly comply with the standards in terms of cleaning processes in production and clean rooms. Our equipment is designed and manufactured according to high standards that allow us to certify a cleaning and sanitising that is compliant with all the requirements of the sector.

We have a wide experience providing solutions for manufacturers of orthopaedic prostheses and trauma, dental implants, instruments and for the medical and pharmaceutical industries in general.



Industrial maintenance

BRIO ultrasonic cleaning equipment offer the best solution for cleaning chains, gear boxes, solenoid valves, transmissions and hydraulic sets, heat exchangers, filters, etc.

The harsh operating conditions that industrial machinery is subjected to make preventive cleaning an essential task if you want to extend their service life and ensure they operate properly. Our ultrasonic cleaning for maintenance helps the machinery work more efficiently, decreasing the risk of unexpected failures from occurring.



Graphic arts industry

We develop systems that are specifically designed for the sector, perfect for cleaning rollers, anilox sleeves and rotogravure. We also design and manufacture equipment for cleaning stereotypes, ink pots, ceramic rollers and other removable printing parts that accumulate grease, water, alcohol based or UV inks.

We completely recover the cells of rollers, leaving them at 100% of their printing capacity. This also occurs with rotogravure cylinders regardless of their size or complexity.



Electronic components

The exclusive technology offered by BRIO Ultrasonics is capable of carrying out an accurate and complete cleaning of electronic boards and circuits, saving time and reaching the smallest parts without causing any damage.

Our equipment is very efficient for treating electronic components on circuit-boards such as resistors, capacitors, transistors, coils, diodes and fuses. They are also the most effective solution for removing impurities deposited by solder flux.

