

N9000 Series

The Branson N9000 series is a next-generation mega-coustic cleaning generator. N9000 can perform ultra-precision cleaning to remove sub-micron particles. With about 100,000G (at 1MHz/730kHz) acceleration, the vibrated water molecules remove particles on the target cleaning parts without damage. Under mega-coustic frequency range, micro-streaming effect moves the particle and prevents removed particles from reattaching cleaning parts.



Full-range of features make high performance ultra-precision cleaning possible

- Auto frequency tracking achieves consistent cleaning performance.
- Mega-coustic (700kHz/1MHz) frequency offers ultra-precision cleaning.
- Immersible type or flange type of transducer are available.

<Cleaning applications>

Cleansing of semiconductor wafers, hard disk substrates, glass for displays, sapphire substrates, crystal wafers, quartz glass, metal masks, etc.

Product Features

- High power density
- Full-range and easy-to-use settings
 - Detailed settings are possible
 - Comes equipped with a colorful oscillation function
 - Equipped with a wide variety of output setting functions
 - Comes with 32 upper and lower limit output settings (*only applicable with the 1200 W oscillator)
- Ease of settings and enhanced work efficiency
 - Capable of connecting oscillator and transducer via a single cable (only applicable at 430 kHz)
 - More compact oscillator
- Excellent usability interface
 - Digital output power display
 - Touch panel control
 - Facilitates easy tuning via front tap switching
 - Rich featured alarm functions
- Capable of providing global customer service
 - Quick response and after-sales service
 - Applicable to power supplies up to 250 V

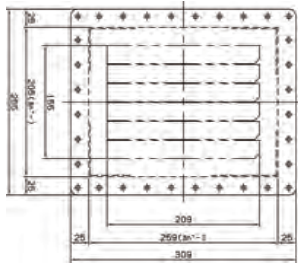
Flange Type Transducer



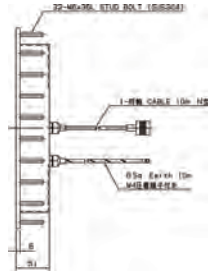
Immersible Type Transducer



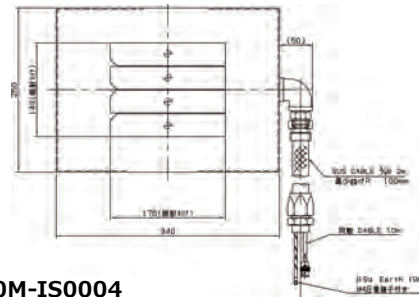
Dimensions



N9004-FS0006



Dimensions



N900M-IS0004



Product Features

Series name		N9000		
Model name		N9004 - 12	N9007 - 12	N900M - 12
Frequency/Nominal maximum output		430kHz/1200W	730kHz/1200W	1MHz/1200W
Power supply voltage		200 V AC to 230 V AC $\pm 10\%$, Single-phase 50 Hz or 60 Hz $\pm 2\%$		
Basic functions		Power control/Automatic frequency tracking mode		
Outer dimensions (mm)		H150×W360×D480 (Excluding the protrusions of connectors, fans, and switches, but including the rubber feet)		
Weight (kg)		Approximately 14 kg		
Power requirement		1.80 kVA (at an output of 1200 W)		
Environmental conditions	Temperature	5 ~ 40 °C		
	Humidity	0 ~ 80% (no condensation)		
Maximum liquid temperature		70 °C (no boiling)		
Adaptable ultrasonic transducer (nominal output)		300 W		
		600 W		
		900 W		
		1200 W		

※ Custom designs are available.

Americas

Branson Ultrasonics Corp.
120 Park Ridge Rd.,
Brookfield, CT 6804, USA
T: 203-796-0400
F: 203-796-2250
Toll Free: 800-732-9262
www.emerson.com/branson

Europe

Branson Ultraschall
Niederlassung der Emerson
Technologies GmbH & Co. OHG
Waldstrasse 53-55
63128 Dietzenbach, Germany
T: +49-6074-497-0
F: +49-6074-497-199
www.emerson.com/branson

Asia

Branson Ultrasonics (Shanghai) Co., Ltd.
758 Rong Le Dong Road
Song Jiang, Shanghai, PRC, 201613
T: 86-21-3781-0588
F: 86-21-5774-5100
www.emerson.com/branson

All specifications subject to change without notice. All dimensions are nominal.
Note: All sales shall be subject to the Supplier's terms and conditions of sale as described in Branson's quotations and sales contracts.

© N9000 © Branson Ultrasonics Corporation 2016.
The Emerson logo is a trademark and service mark
of Emerson Electric Co.
Revised and printed in the U.S.A.

MC01W E20180710