



The ProSys Plate Array is a Megasonic transducer packaged and ready to bolt onto a process tank to form the bottom. It is available in sizes from small single-wafer to 450mm. **Direct** coupling of acoustic energy to your process chemistry improves uniformity and cleans at a much lower power than **indirect** designs.

Features & Benefits

- Patented metallic bond and RF connections to the crystals
- Resonators are available in quartz, stainless steel, and sapphire
- RF matching network located in the housing for improved transmission efficiency
- Redundant RTD temperature monitoring of the transducer for improved reliability
- Sealed and ready to bolt to a tank
- Available in standard sizes for single and dual 100mm to 450mm
- Easy to repair if required
- Crystal-to-resonator bond is acoustically superior to an epoxy bond
- Robust, reliable design and construction
- **Direct** design provides better uniformity than **indirect** solutions
- 60% lower RF power usage when compared to **indirect** designs

Technical Specifications

- Standard operating frequency: 925 kHz; other frequencies available upon request
- Power densities up to 2 Watts/cm²
- Process fluid temperatures to 60°C
- Standard sizes available
- Custom sizes design and built in weeks
- Special sizes available for solar and 450mm
- Interfaces with the IMPulse RF electronics

Processes Supported

- Wafer cleaning
- Post-CMP cleaning
- BOEL cleaning
- Solar cleans
- Mask cleaning
- Lift off
- Resist strip
- Mold and imprint master cleaning
- Etch enhancement
- Plating assist and bubble removal

