



# MMM Seeds & Powders Processing

Main Web Site: <http://www.mpi-ultrasonics.com>

Download Server: <http://mastersonic.com>

Email: [mpi@bluewin.ch](mailto:mpi@bluewin.ch)

# Applications

- **Powders and Seeds agitation, mixing, sieving, mass-separation and screening.**
- **Ultrasound is an excellent method of agitating powders, seeds and fluids. While this is known technology we are specializing in development of ultrasonic systems that allow this technology to move from the lab bench or small systems to high volume industrial applications. Based on our proprietary MMM ultrasonic generator technology we have the capability to make large arbitrary shaped (un-tuned) mechanical elements vibrate at ultrasonic frequencies. Normal ultrasonic generator systems cannot make the transition because they rely on carefully tuned mechanical elements of fixed size and shape that limit the scope of their use large scale applications. Our MMM systems allow us to make a wide range of agitating and atomizing elements.**
- **Industrial fluids atomizers & gas mixing (air conditioning, semiconductor technologies...)**
- **Water & fuel atomizers**
- **Liquid alloys atomizers & solder atomizers**
- **Incineration of waste and dangerous liquids by atomizing**
- **Large volume humidifiers & dust removal**
- **Air and water filtering, purification, decontamination & sterilization (nuclear, included)**
- **Micro-encapsulation, coating, surface impregnation**
- **Food and Pharmaceutical applications (surface decontamination)**
- **Electrochemistry & Sonochemistry process integration (nano technologies)**

# Powder Agitator in Action

(movie files)



Fine Powder Agitation



Water atomizing

# Seeds Agitator in Action

(movie file)

