



# SoundBonding application



< **Various metals 3D Ingot Alloyed bonding** >

Hermetic bonding

## 3DBonding (Patent)



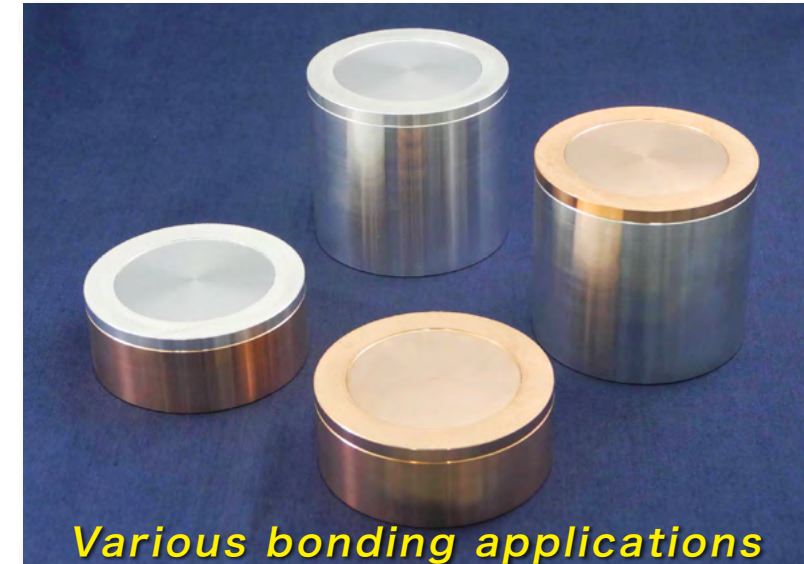
[Material; Aluminum A1070]  
<Lid> od=54 t=6mm  
<Body> od=54 id=48 h=50mm t=3mm



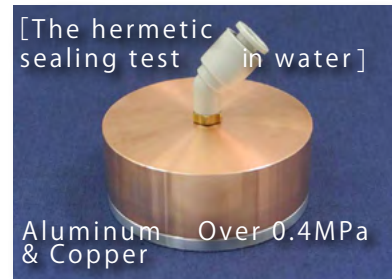
[Lid and body] are bonded together at a time in a second!!



<Space insides with no bonding mark>

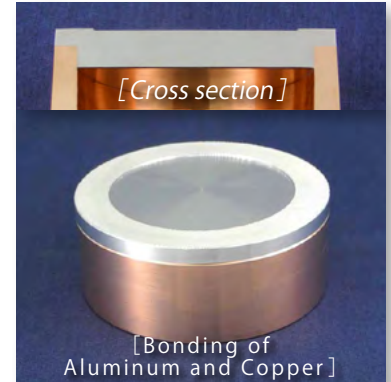


Various bonding applications for Aluminum and Copper



[The hermetic sealing test in water]

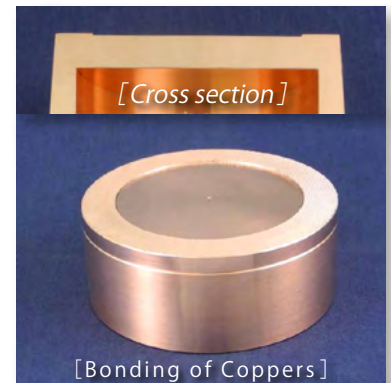
Aluminum & Copper Over 0.4MPa



[Cross section]

[Bonding of Aluminum and Copper]

< Alloying >



[Cross section]

[Bonding of Coppers]

< Ingot >

SoundPower<sup>®</sup> Laboratory

ULTEX<sup>®</sup>