

(SPS) bonding theory that Ultex proposes in 21st century is ...



SPS/SoundPower for Space bonding theory

This is a line of thinking that one of the confirmation methods of space energy in earth's atmosphere is [Sound bonding], and this method is the important method of construction as an utilization method for environment. Moreover SoundPower Bonding creates new Space. This repeated creation is the cosmic phenomenon itself.

Ultex has always applied to R&D laboratory business which is mainly about [metal bonding technology] by Sound energy for technical development for the future.

The result of studies over the years is completion of **(SoundPower for Space)** bonding theory as fundamental technology of metal bonding. Specifically bonding of metals at **outer space** is not digital phenomenon but analog phenomenon.

Therefore the option of pressure method which transmits sound energy is only **[air]** for analog.

Response speed and flexibility of analog trace **physical phenomenon** finely during bonding. Parts won't be bonded by constant speed. Even if pressure by air which transmits sound energy to bonding parts is too high or too low, energy won't be fixed at the bonding layer (layer between the parts where you want to bond). Precise pressure **(±0)** is always demanded for bonding process. **"Precise air cylinder pressure mechanism"** of Ultex is the only solution to trace difference of the velocity between parts and a horn.

As indicated in Ultex's achievement, completion degree of application technology of sound energy could improve so much by SPS bonding theory. In the future, we will expand the area from [Ultrasonic] which started in 20th century to **[Sound]** in 21st century. And we will diffuse this new major method as real fundamental technology which is essential for "manufacturing".

Then we will develop innovated technology based on supported theory more to achieve **(zero)** for **mass production defect rate** in plant and reduce **production cost** as **(zero)** as possible, and we will make history of sound energy and lead the world.

ULTEX
SoundPower Laboratory