



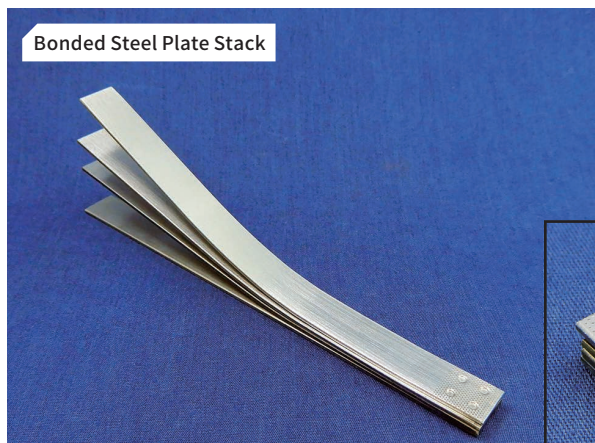
Patented

Application

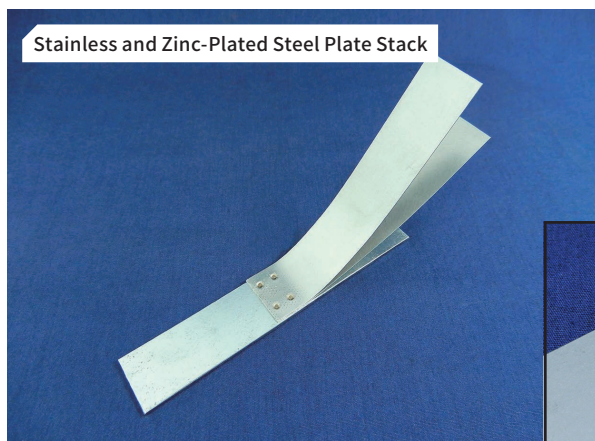
Bonding

Steel Plate Stacks

Multi Layer Energy Concentration Bonding (ECB)



4x SS400 steel (t=1.2 mm)



Top: 2x SUS304 steel (t=0.5 mm)
Bottom: 1x Zinc-plated steel (t=2.3 mm)

Key Points

- ✓ No sticking to the horn
- ✓ No adhesives required
- ✓ Bonding at room-temperature and under atmospheric conditions
- ✓ Ingot/Alloy Bonding
- ✓ Process time approx. 1 s
- ✓ Minimal anvil and tool heating

System Used

- ✓ 15MZs



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