

Melting vs Not Melting...

What is solid-state welding according to **Fabrisonic's** 3D metal printing?

What melts?

Ice Cream

Chocolate

Ice

Plastic

Laser powder
metal
3D printing

What doesn't melt?

Broccoli

Wood

Gases

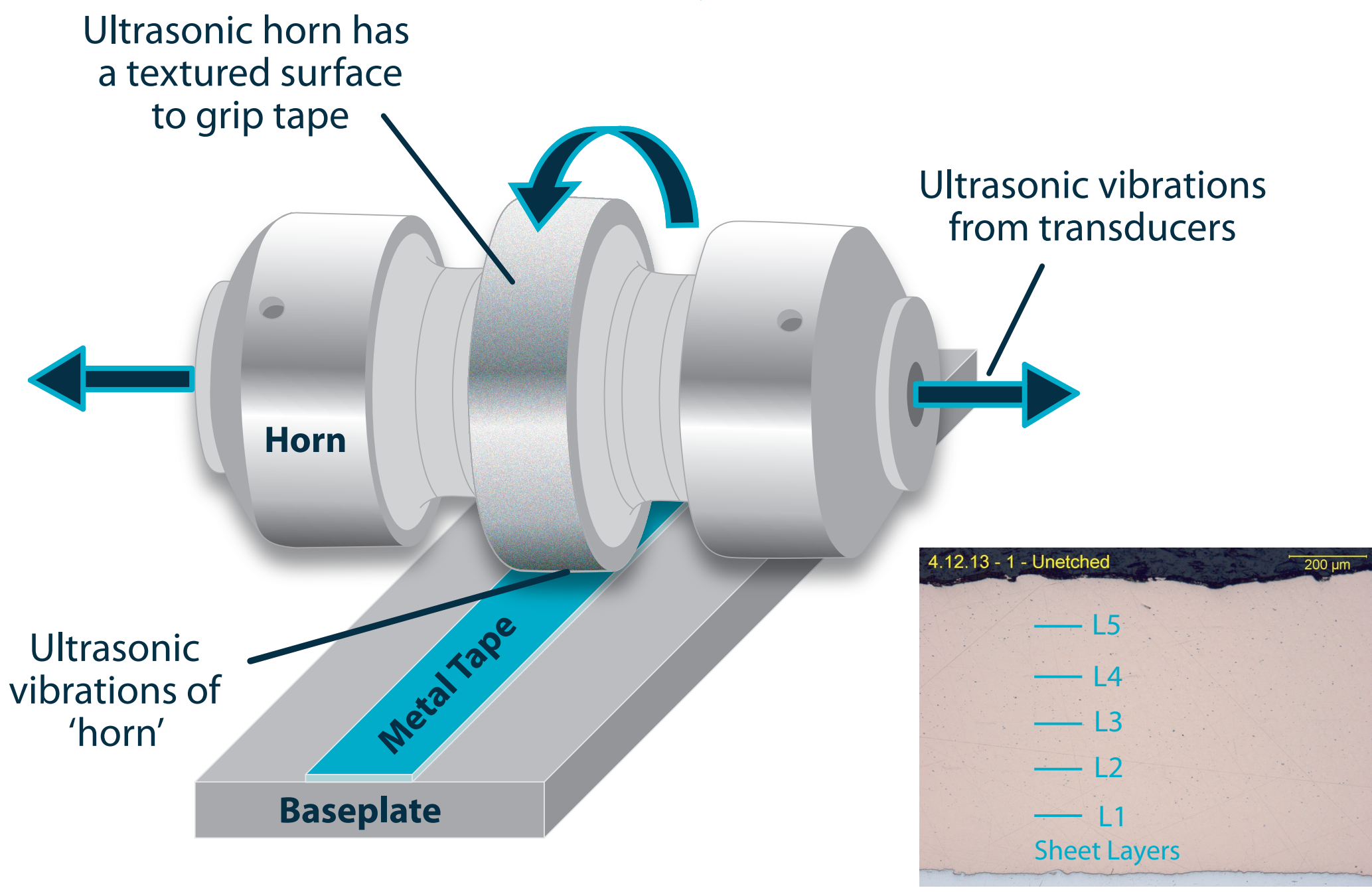
Paper

Ultrasonic
additive metal
3D printing

Solid state welding produces coalescence at temperatures below the melting point of the base materials being joined, without the additional filler metal. Again, no melting occurs.

How Fabrisonic's Solid-State Welding Works

As the US textured 'horn' rolls over the metal foil, a scrubbing action is induced by using force and a back and forth motion via the transducers. The oxide layer is broken off so the metals can naturally bond.



What's Happening...

