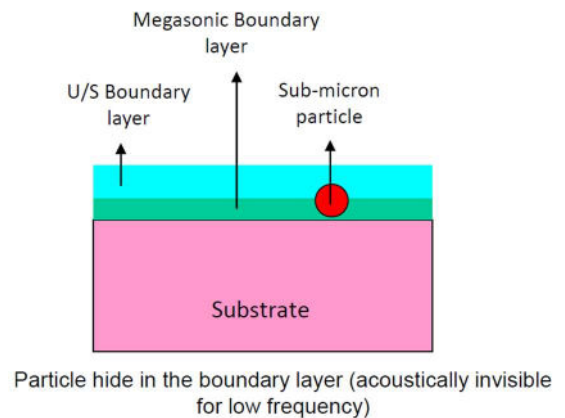


### **KLN Ultraschall AG – „Advantages of cleaning with various ultrasonic frequencies“**

KLN Ultraschall AG ([www.kln.de](http://www.kln.de)) is the european subsidiary in charge of cleaning technology of the worldwide operating CREST Group (<https://thecrestgroupincorporated.com>). The Crest Group focuses on the diverse industrial applications of ultrasound in parts cleaning and welding technology.

Ultrasonic cleaning technology is usually used to clean surfaces prior to various coating processes. Frequencies of 25, 30 and 40 kHz are typically used.

Using higher frequencies, such as 40, 58, and 132 kHz, offers several benefits in terms of improved cleaning results and reduced consumption of ultrasonic energy and detergent. The ability to work at higher frequencies and thus more effectively reduce the viscous boundary layer that forms around the surfaces during ultrasonic cleaning without damaging finely polished surfaces, for example, is a significant advantage. This not only improves the overall cleaning performance, but also contributes to a more even coating result. Even the finest particles are reliably cleaned with this technology.



Moreover, the use of higher frequencies in combination with PFAS-free and low Global Warming Potential (GWP) solvents is noteworthy. This combination not only improves the cleaning efficiency but also leads to substantial energy savings during the drying process, as no additional heat is required.

It's encouraging to see advancements in cleaning technology that not only enhance performance but also contribute to sustainability and energy efficiency.

**Visit us on stand F12b, hall 2, we look forward to seeing you!**