

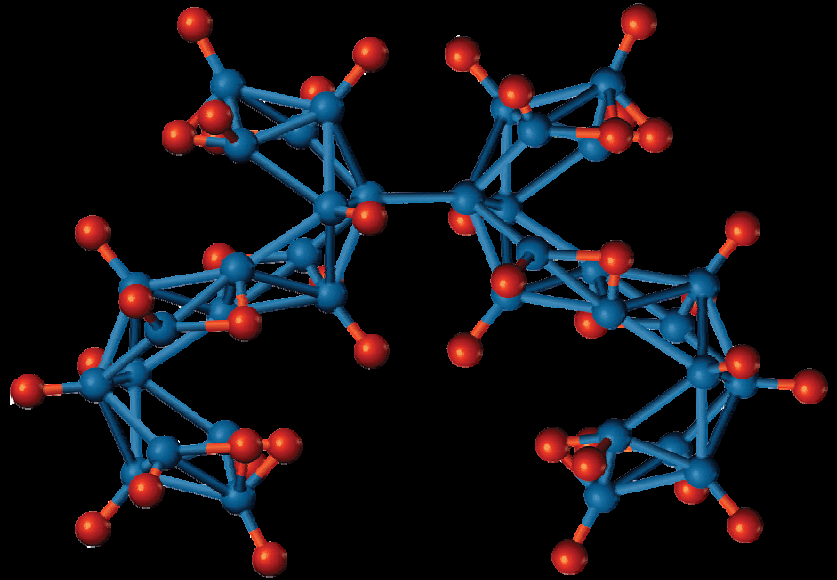
We call $B_{18}H_{22}$

ClusterBoron® *Implant Material*

for a good reason

SemEquip's innovative solutions surpass previous molecular implant techniques.

Technology leaders are now implanting the $B_{18}H_{22}$ dimer – a cluster of 36 boron atoms uniquely enabling high-quality sub 10nm junctions for the 2X technology node and beyond.



- Reliable damage engineering with self-amorphized implants to 100eV and below
- No slow, expensive cryogenics (and no room temperature recrystallization)
- Pure drift beams (no decel or energy filtering)
- Highest ultra-low energy productivity
- No carbon contamination

SemEquip
a ceradyne company