Preserve The Bone - Enhance The Host

The Densah™ Bur technology is based on a novel biomechanical bone preparation technique called “Osseodensification.” Unlike traditional dental drilling techniques, when a Densah™ Bur is rotated at high speed in a reversed, non-cutting direction with steady external irrigation bone tissue bulk is preserved and simultaneously compacted and auto-grafted in outwardly expanding directions.

Biomechanical and histological validation study has concluded, in Porcine tibia, osseodensification creates a densification crust around the preparation site by compacting and autografting bone along the entire depth of the osteotomy.

Dense compacted bone tissue produces stronger purchase and may facilitate faster healing.

Compaction Autografting Increases BIC

OSSEODENSIFICATION
Hydrodynamic Bone Preparation

Compaction Autografting / Condensation
Maintaining Bone Bulk Results In Higher BIC (Bone to Implant Contact)