PERSONALIZED
COMPLEX
RESTORATIONS
UNIQUE PATIENTS, UNIQUE CHALLENGES

Oncology, revision, osteotomy and other complex cases provide special challenges to the orthopaedic surgeon. Anatomy can be affected in an endless number of ways, making standard, off-the-shelf implants poorly suited for complex cases.

Now, Bodycad OnCall is making personalized, individually manufactured orthopaedic restorations a reality.

ADVANCED MANUFACTURING ENABLES MASS CUSTOMIZATION

To achieve its level of orthopaedic customization, Bodycad OnCall uses state-of-the-art additive manufacturing, also known as 3D printing. The process involves applying successive layers of material in a precise configuration guided by the model created with **Bodycad Personalized Restoration Software**.

Bodycad maintains its own manufacturing facility, enabling it to control costs while continually upgrading its capabilities. With its background in personalized oral implantology, the Bodycad team has the knowledge and expertise to make mass orthopaedic personalization possible.
BODYCAD PREP TECHS™ KEEP THE PROCESS MOVING

The Personalized Restoration Evaluation Process (PREP)™ is guided by our Bodycad PREP Techs.

Bodycad PREP Techs are true collaborators who work with the surgeon to achieve an anatomical fit for every patient. PREP Techs are knowledgeable about principles of load bearing, joint articulation, and orthopaedic correction. They offer consultation and support at every stage of the development process, from initial design to final approval.

Bodycad PREP Techs are skilled in engineering, human anatomy, and software programming.

Because they work closely with individual surgeons, PREP Techs are able to develop a sense of a surgeon’s preferences and profile to further refine and customize each restoration.
Day 1: A Bodycad PREP Tech receives a CT or MRI of the patient. Bodycad Imager software is used to create a 3D model of the patient’s anatomy.

Day 3: The Bodycad PREP Tech uses Bodycad Planner to create a 3D anatomical representation of the case.

Day 5: Bodycad Designer software is used to customize a restoration recommendation based on the planning information and anatomical detail.

Day 9: The surgeon and PREP Tech consult and the surgeon approves the final design; a prescription is provided.

Day 21: Bodycad Maker assists to efficiently manufacture the product, which is delivered to the hospital for use.

STANDARD TIMELINE
Subject to change based on complexity of restoration.
PERSONALIZED RESTORATION
SOFTWARE DRIVES THE SYSTEM

Bodycad’s proprietary Personalized Restoration Software makes Bodycad PREP™ possible. The surgeon and PREP Tech™ work together to quickly and efficiently complete the process:

- **Scan to plan:** Patient images are sent to Bodycad to enable our Bodycad PREP Tech to perform precision measurements of anatomical features. The PREP Tech uses anatomical references that are scientifically supported to optimize function. The measurements are entered into the Bodycad Personalized Restoration Software to enable the creation of a personalized restoration solution.

- **Approve design:** A three-dimensional rendering of the patient’s anatomy, along with the proposed solution, is sent to the hospital for approval or revision. Once approved, a prescription is provided.

- **Restore:** Bodycad manufactures the approved restoration in its facilities using the highest quality industry standard materials. The restoration is shipped to the surgeon with a customized Bodycad kit.
TRANSFORMING EXPECTATIONS IN ORTHOPAEDIC SURGERY

Bodycad is transforming the current standard of orthopaedic care. Its personalized restorations offer patients a high level of conformity to their unique anatomy, providing comfort, fit and durability that make the Pursuit of Orthopaedic Perfection™ possible.

GET STARTED

A PREP Tech™ is available to consult with you about the best approach to your next complex restoration. Please call a PREP Tech at +1 418-527-1388 or email at oncall@bodycad.com to set up a Bodycad OnCall™ consultation.