HTR-PMI is indicated for the entire calvarium including the posterior, middle and anterior cranial fossa. Both inlays and onlays may be implanted in the zygomatic and orbital regions. Maxillary and mandibular implants may be fabricated as non-load bearing onlays only.

What Surgeons Are Saying

“I have used the HTR cranioplasty dating back to 1996… The product saves time in the operating room because of its custom fit and leads to an excellent anatomic and cosmetic result.”
Marion L. Walker, M.D.
Salt Lake City, Utah

“After ten years of using this technology, I’ve not had a single case where a revision was needed due to contour concerns or infection.”
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“The HTR-PMI system offers significant advantages in eliminating donor site morbidity, reducing length of surgical procedure and length of hospitalization and provides a custom made porous implant that has allowed me to surgically manage extensive and complex cranial vault deformities in an efficient and safe fashion.”
Christopher R. Forrest, MD., MSc., FRCS (C), FACS
Toronto, Canada

For more information on HTR®-PMI, please contact us at:

GLOBAL HEADQUARTERS
1520 Tradeport Drive • Jacksonville, FL 32218-2480
Tel (904) 741-4400 • Toll-Free (800) 874-7711 • Fax (904) 741-4500 • Order Fax (904) 741-3059
www.biometmicrofixation.com

As the manufacturer of this device, Biomet Microfixation does not practice medicine and does not recommend this product or surgical technique for use on a specific patient. The surgeon who performs any implant procedure must determine the appropriate device and surgical procedure for each individual patient. Information contained in this brochure is intended for surgeon or distributor information only and is not intended for patient distribution. All surgeries carry risks. For additional information, please see package insert or visit our web site at www.biometmicrofixation.com or call 1-800-874-7711.

HTR® is a registered trademark of U.S. Surgical Corp.

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Anticipation and innovation. These two qualities have made Biomet Microfixation an industry leader. Founded by Walter Lorenz more than thirty years ago, Biomet Microfixation offers instrumentation, plating systems and related products for a wide range of surgical procedures.

Biomet Microfixation is proud to offer HTR-PMI Patient Matched Implants in a remarkably short time—just eighteen days. This is thanks to the unique process of using patient CT-scan data to create highly accurate anatomical models. These models are then used to manufacture HTR implants for a fully patient-matched custom fit.

**Handling Features**

- Implants are sterile when shipped, saving you time prior to surgery.
- Before implantation, the implants may be soaked in antibiotic solution.
- The implants may be easily contoured intra-operatively with standard craniotomy burrs.
- The implants are specially designed to tolerate drilling and screw fixation during implant placement. Simply drill a pilot hole before inserting screws and refrain from drilling the implant within 4 to 5mm of its perimeter.
- To save time, we offer a complimentary pre-plating service, with costs of plates and screws billed separately.
- For convenience, two sterile implants are provided for each patient.

*Eighteen-day delivery is based on receipt date of CT-scan and includes business days only. Delivery time may vary for complex defects, resection cases or cases requiring design modifications.

**More Than 5,000 Cases To Date**

**Thoroughly Tested. Fully Proven.**

HTR-PMI Patient Matched Implants are made from non-resorbable, biocompatible material composed of polymethylmethacrylate (PMMA) spherical macrobeads that are coated and fused together with polyhydroxyethylmethacrylate (PHEMA). Both PMMA and PHEMA have been well known, investigated and clinically used successfully for more than sixty years.

**Product Highlights**

**POROUS** Average pore diameter of 250-500 microns supports connective tissue and bone ingrowth.

**RIGID AND STRONG** Implants have a rigidity similar to bone, with a compressive strength of 5,000 psi.

**RADIOPAQUE** Implants can be conveniently and accurately monitored post-operatively.

**HYDROPHILIC** Enables antibiotic impregnation pre-operatively and vascular flow post-operatively.

**NEGATIVE SURFACE CHARGE** May have minor positive effects on bony ingrowth and inhibition of bacterial adhesion.\(^1\)


**View Implants Online**

Surgeons may review and approve the skull model and HTR-PMI online to improve turnaround time even further. Specialized software provides the surgeon a variety of options for viewing the 3-D model, defect site and implant.

The surgeon may rotate, measure, move and section the implant for improved surgical planning. Security and confidentiality are assured with a log-in screen requiring a password and user name unique to each surgeon.
More Than 4,500 Cases To Date

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Custom HTR Implants In Just 18 Days.*

HTR®-PMI CT-Scanning Protocol

How To Order

1. Obtain Patient CT-Scan Data

Patient data must be obtained by the means specified in the HTR-PMI CT-Scanning Protocol, included in this brochure.

2. Send CT-Scan Data

Send the CT-scan data AND the completed Surgeon Order Request Forms (available at www.htrpmi.com) to:

Biomet Microfixation, Inc.

14811 Galway Ave.

Aurora, CO 80017

Fax: 303-273-6463

Phone: (888) 273-5375 or (303) 277-0430

htrpmi@biomet.com

3. Review Online

Surgical planning is accomplished through the use of an online CAD/CAM system. 

4. Send Skull Model & Sample

The skull model and sample implant, requested in the Surgeon Order Request Form, will be sent by overnight delivery with an approval letter and Pre-Plating Form.

More Than 4,500 Cases To Date

Thoroughly Tested. Fully Proven.

More than 4,500 cases have been performed to date using HTR-PMI Patient Matched Implants; surgeons, hospitals, radiologists and patients have been pleased with the results. Medical Modeling has been providing implants based on the HTR-PMI technique since 1989. More than 150 surgeons around the world have successfully used the technology.

Handling Features

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• Before surgery, the implant may be sterilized.
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• With full CT scans, the implant may be sterilized.
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As the manufacturer of this device, Biomet Microfixation does not practice medicine and does not recommend this product or surgical technique for use on a specific patient. The surgeon who performs any implant procedure must determine the appropriate device and surgical procedure for each individual patient. Information contained in this brochure is intended for surgeon or distributor information only and is not intended for patient distribution. All surgeries carry risks. For additional information, please see package insert or visit our web site at www.biometmicrofixation.com or call 1-800-874-7711.

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What fascinates you about the body is also what drives us. That’s why we’re always pushing the boundaries of engineering to make products that help you keep the human form as glorious as it was intended. To learn more about our breadth of products, call 800-874-7711 or visit us online at biometmicrofixation.com. We’d love to join you in a conversation about the future.