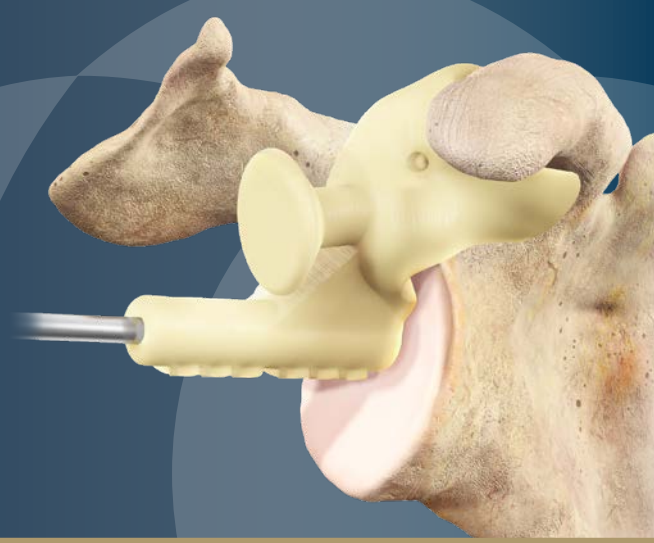


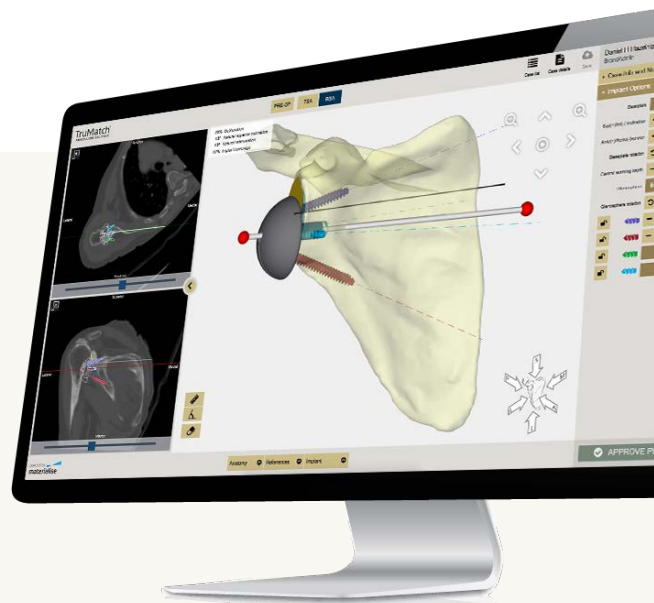
# TRUMATCH<sup>®</sup> Personalized Solutions Shoulder System



The TRUMATCH<sup>®</sup> Personalized Solutions Shoulder System, enables surgeons to analyze the patient's glenohumeral anatomy in multiple dimensions and perform pre-surgical planning in a 3D environment. This advanced, web-based software offers real-time planning for total and reverse shoulder arthroplasty. Through the use of Pre-Surgical Planning alone, or in conjunction with the optional patient-specific glenoid guide, surgeons can take their pre-operative experience and transfer it to the operating room.

## CLINICAL RELEVANCE

- Accurate glenoid component placement is of major importance in shoulder arthroplasty. Improperly-placed implants are at risk of dislocation, increased component wear and loosening, and the need for revision surgery.<sup>1,2,3</sup>
- Patient-specific planning reduced variability in glenoid component inclination, as well as the risk of extreme inclination errors for total and reverse shoulder arthroplasty when compared with standard pre-operative planning and instrumentation.<sup>4</sup>



## PRODUCT COMPATIBILITY



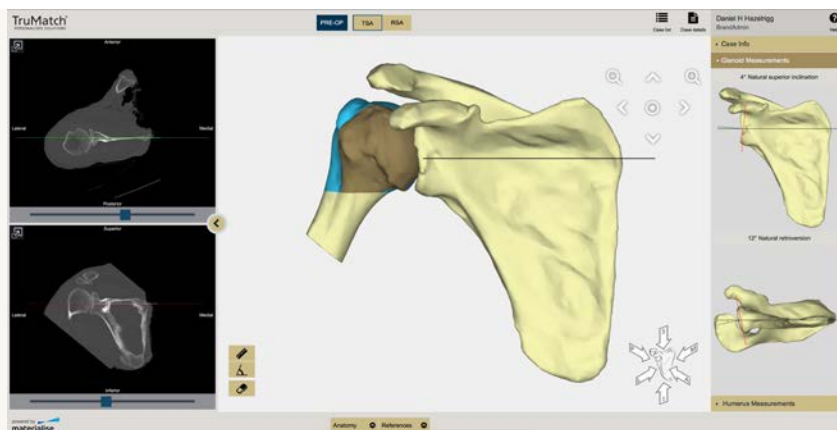
\*GLOBAL<sup>™</sup> STEPTECH<sup>®</sup> Anchor Peg Glenoid is currently only cleared/approved for use in the United States and Canada.

# TRUMATCH® Personalized Solutions Shoulder Features

## 3D Software and Guide

“Surgical planning using virtual models of patient CT scans and the use of corresponding surface-matched drill guides provides an accurate method of reproducing the surgical plan for glenoid component placement in reverse shoulder arthroplasty.”

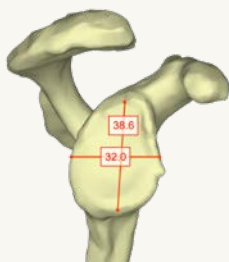
-MD Jonathon C. Levy, et al. <sup>5</sup>



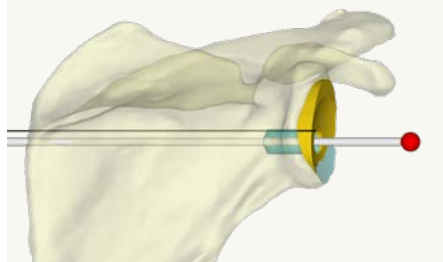
## The Value of TRUMATCH Personalized Solutions Shoulder System

- 3D Reconstruction of Patient Anatomy
- 2D CT Visualization with Implant Overlay
- 3D Pre-Surgical Planning
- Case Planning Report, Patient-Specific Guide and Anatomic Bone Model
- Patient-Specific Guide Utilizes Coracoid for Stable and Reliable Placement

### CT Scan & Anatomic Measurements



### Bone-Graft Planning



### Coracoid Clip for Guide Stability



Contact your local DePuy Synthes Shoulder Reconstruction sales consultant for more information

#### References:

1. Iannotti JP, Weiner S, Rodriguez E, et al. Three-dimensional imaging and templating improve glenoid implant positioning. *J Bone Joint Surg [Am]* 2015;97:651-8.
2. Papadonikolakis A, Neradilek MB, Matsen FA, III Failure of the glenoid component in anatomic total shoulder arthroplasty: a systematic review of the English-language literature between 2006 and 2012. *J Bone Joint Surg [Am]* 2013;95:2205-12.
3. Iannotti JP, Greeson C, Downing D, Sabesan V, Bryan JA. Effect of glenoid deformity on glenoid component placement in primary shoulder arthroplasty. *J Shoulder Elbow Surg* 2012;21:48-55.
4. Heylen S, Van Haver A, Vuylsteke K, Declercq G, Verborgt O. Patient-specific instrument guidance of glenoid component implantation reduces inclination variability in total and reverse shoulder arthroplasty. *J Shoulder Elbow Surg* 2016;25:186-92.
5. Levy JC, Everding NG, Frankle MA, Keppler LJ. Accuracy of patient-specific guided glenoid baseplate positioning for reverse shoulder arthroplasty. *J Shoulder Elbow Surg* 2014;23:1563-67.



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