

CLOSING THE GAP  
IN SOFT TISSUE REPAIR



# The AutoCuff™ System

O P U S M E D I C A L

# Introducing Totally Arthroscopic Rotator Cuff Repair.

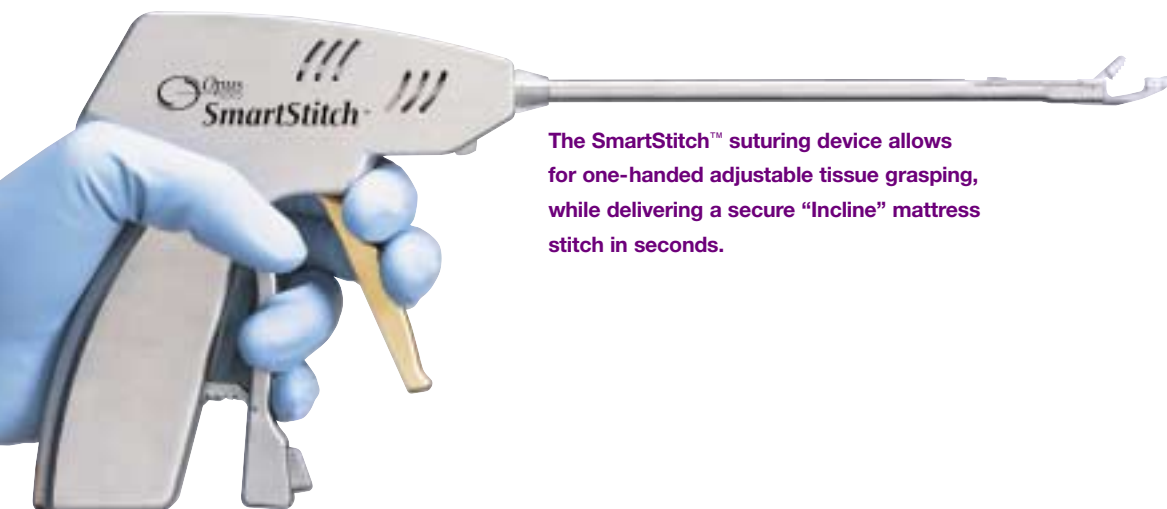


*Place this stitch in less than five seconds.*

Imagine the ultimate in speed and simplicity combined with reliability and versatility. Now think of automated suturing in a totally arthroscopic procedure. That's why the revolutionary AutoCuff™ System is head and shoulders above conventional rotator cuff repair.

The AutoCuff System employs dynamic dual platform technologies—the SmartStitch™ Suturing Device and the Magnum™ Knotless Fixation Implant. Together, they deliver one-step maneuverability and convenience in suturing along with a 100 percent knot-free, subcortical repair. The result: dramatically simplified suture management, superior tissue-to-bone interface and maximum procedural efficiency.

Discover the extraordinary AutoCuff System. And start closing the gap in rotator cuff repair.



**The SmartStitch™ suturing device allows for one-handed adjustable tissue grasping, while delivering a secure “Incline” mattress stitch in seconds.**



*SmartStitch grasps rotator cuff tissue.*



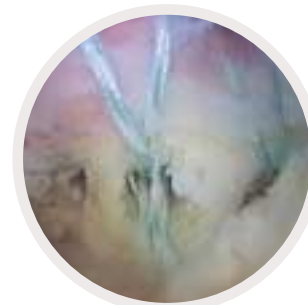
*SmartStitch instantly places an “Incline”<sup>1</sup> mattress stitch.*



*The Magnum Implant bone lock is deployed.*



*The Magnum Implant cinches suture to proper tension.*



*Completed AutoCuff repair.*

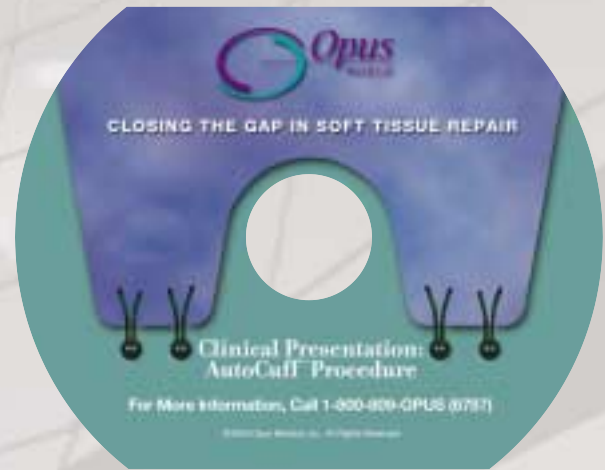
1. “An In-Vivo Comparison of the Modified Mason-Allen versus a Horizontal Mattress Stitch on Tendon Healing to Bone: A Biomechanical and Histologic Study in Sheep.” T. Schlegel, MD; R. Hawkins, MD; C. Lewis, A. Turner, BVSc, MS.

Presented at the Specialty Day Meeting of the American Shoulder and Elbow Surgeons, New Orleans, LA, February 2003.

## CD-ROM

### SmartStitch™ Suturing Device The Ultimate In Speed

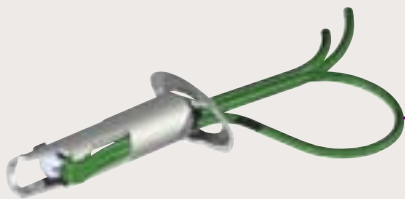
- Directly Places Unique, "Incline" Mattress Stitch In Seconds
- Integrated Grasper/Suturing Device Provides Versatility
- No Snares Or Suture Shuttling Systems Required
- Reloadable With #2 Braided Polyester Suture Cartridges
- No Suture Management



*PC and Macintosh™ compatible. Requires Windows Media™ Player or QuickTime™ Player.*

### Magnum™ Knotless Fixation Implant Unparalleled Versatility

- Completely Eliminates Arthroscopic Knot Tying
- Cinchable And Reversible Suture Tensioning Provides Exceptional Tissue-To-Bone Interface
- Cortical Bone Lock Ensures Reliable, Secure Bone Purchase
- Secure Fixation
- Subcortical Repair



The Magnum Implant



Subcortical repair leaves no residual stack of knots.



The Magnum Implant's pre-loaded Inserter allows all maneuvers to be completed outside the shoulder capsule using standard portal locations.

## AutoCuff™ System Surgical Technique

### SmartStitch™ Suturing Device



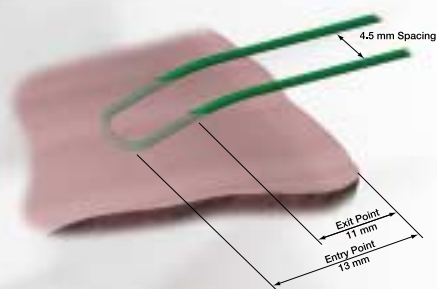
1. Used like a 5mm grasper, SmartStitch grasps rotator cuff tissue.



2. The SmartStitch needles are activated.

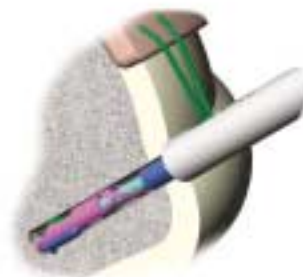


3. SmartStitch instantly places an "Incline" mattress stitch with no suture shuttling or snares.

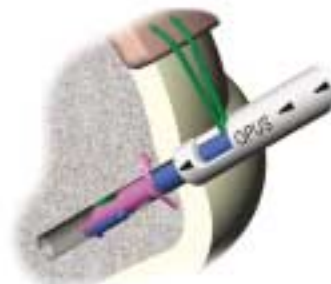


4. The two free ends of suture remain outside the trocar cannula and are then loaded into the Magnum Knotless Fixation Implant, using a pre-loaded snare.

### Magnum™ Knotless Fixation Implant



1. The loaded Magnum Implant is inserted into a pre-drilled or punched hole using the inserter handle.



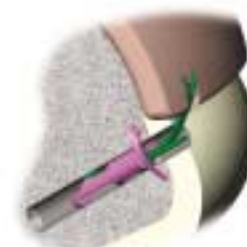
2. A cortical bone lock is deployed, ensuring reliable bone purchase.



3. The Magnum Inserter's internal mechanism provides cinchable and reversible tension.



4. Once proper suture tension is achieved, the suture lock is engaged to permanently lock sutures.



5. The Inserter handle is removed and sutures trimmed.



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