MIS Instruments is a manufacturing company of surgical instruments, with a focus on minimally invasive orthopedic surgical instrumentation. We are a group of health care providers who have merged our surgical experience into the surgical instrument and custom instrument manufacturing market.

**Minimally Invasive Knee Retractor System**

- **Complete Set:** p/n MISKR-01
- 1 - Surgical Tray
- 1 - Tibia grasper
- 1 - PCL Retractor
- 2 - Z Retractors
- 1 - Cobb/Tibia Distractor
- 1 - Femoral Notch
- 2 - Right Angle Retractor
- Protector
- 1 - Knee/tissue grasper

**Surgical Tray** p/n S10099
- Laser etched labeling
- Autoclavable
- Fixed instrument clamps

**Knee/Tissue Grasper** p/n KG0040
- German Manufactured
- 7” in Length (can be used in Total Hip Replacement)
- **Application:** used to grasp tissue or as a rongeur.

**Tibia Grasper** p/n KF0050
- German Manufactured
- Wide Teeth
- Ergonomic handle
- **Application:** Used to grasp and lock on to cut tibia. Tibia is removed in one solid piece.

**Posterior Cruciate Ligament (PCL) Retractor** p/n KR0070
- German Manufactured
- Wide Teeth
- Blunt tip to prevent bone damage
- Low profile handle
- **Application:** Designed to distract the tibia forward from the femur (we recommend using Femoral Notch Protector p/n KR0060 to protect the bone in the femoral notch).
Z Retractor p/n KR0010
German Manufactured
Stainless Steel
Low Profile
Application: Medical/Lateral Retraction.

Ring Retractor p/n KR0020
German Manufactured
Stainless Steel
Application: Retracts full thickness with less tissue trauma.

Cobb Retractor/Tibia Distractor p/n KR0080
German Manufactured
Stainless Steel
Wood simulated handle

Right Angle Hohmann p/n KR0030
German Manufactured
Stainless Steel
Blunt tip/Low Profile
Application: Lateral Retraction (Tibia Preparation)

Femoral Notch Protector p/n KR0060
19 mm
Malleable ribbon used for Posterior Stabilized Knees.
Application: During tibia preparation and implantation, Femoral Notch Protector is placed in femoral notch to protect bone, then PCL retractor or Cobb Elevator is placed on femoral notch protector.

MIS Instruments focus is to provide to the orthopedic and healthcare community high quality surgical instruments at an economical cost compared to our competitors. We have the ability to fabricate any surgical instrument for any field of surgery and bring that savings to the orthopedic companies, sales reps and hospitals.

MIS Instruments has been involved in the research of minimally invasive orthopedic surgery. We have done over 850 mini-subvastus total knee replacements and have presented our data at The American Academy of Orthopedic Surgeons, American Association of Hip and Knee Surgeons, and MIS meets CAOS.

We are open to new ideas and concepts, which can aid the surgeon and provide better clinical outcomes. Please contact us.

Minimally Invasive Knee Positioner p/n MISKP-01
German Manufactured
Range of motion 0 to 150 degrees
Boat is easily removed for full extension
Sliding block glides on track and easily locked
All components autoclavable
Base plate sets on drape to prevent tearing
Boat is flexible to fit each patient
Frees up a surgical assistant

Visit us at www.germedusa.com
REFERENCES

Schroer, W., Diesfeld, P., LeMarr, A., Reedy, M.: Association of Increased Knee Flexion and Patella Clunk Syndrome After Minimally Invasive TKA, Podium Presentation, AAOS Annual Meeting


Schroer, W.: Mini-Subvastus TKR: Addressing Concerns of MIS TKR, Presented at MIS Meets Caos, Indianapolis, IN, May 21st, 2005

Schroer, W.: Applicability and Patient Selection with the Mini-Subvastus TKA Approach, Presented at MIS Meets CAOS, San Diego, CA October 20th, 2005

Schroer, W.: Surgical Accuracy with the Mini-Subvastus TKA, Presented at MIS Meets Caos, San Diego, CA, October 20th, 2005


Schroer, W.: Mini-Subvastus Approach for Total Knee Arthroplasty, Presented at MIS Meets Caos, Naples, FL, October 29th, 2004

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