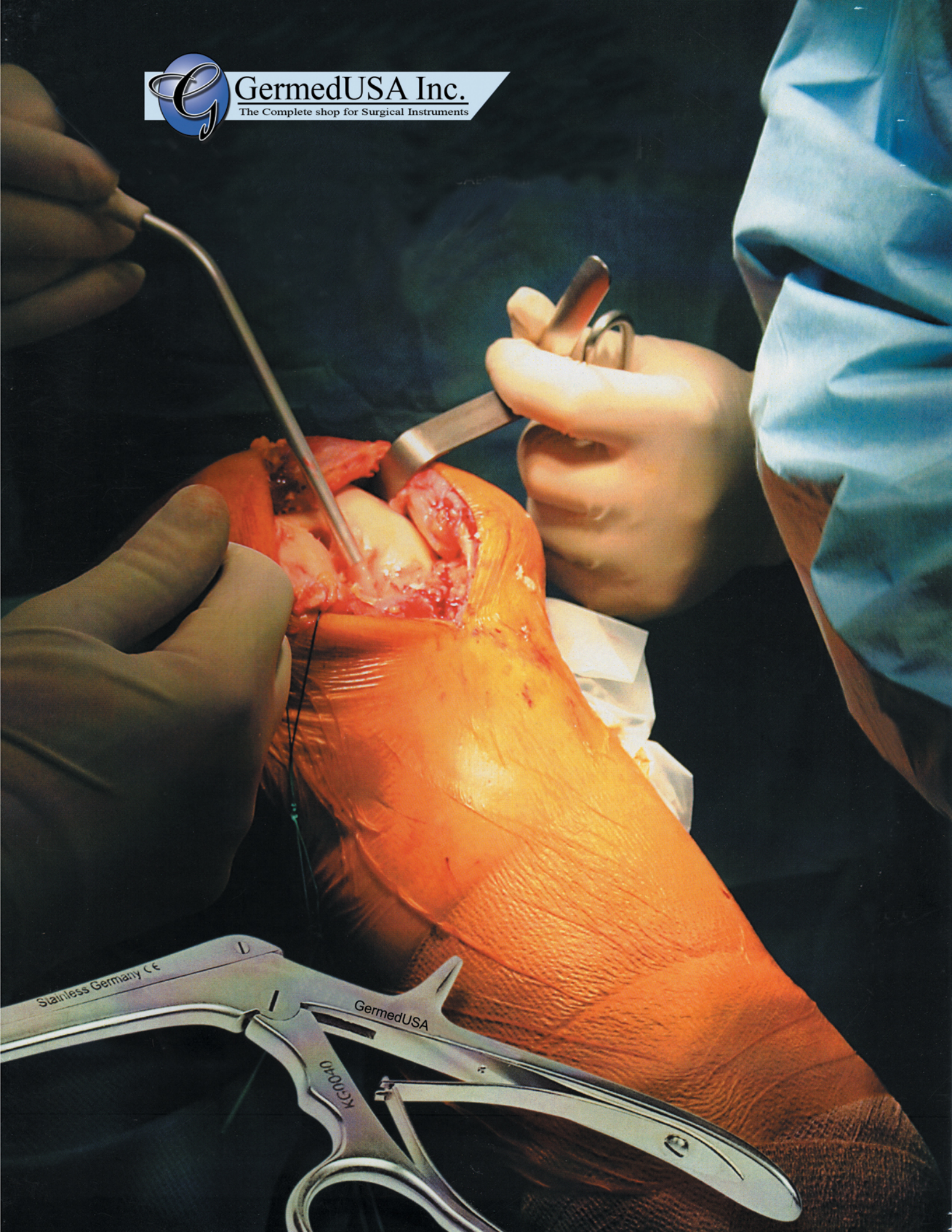




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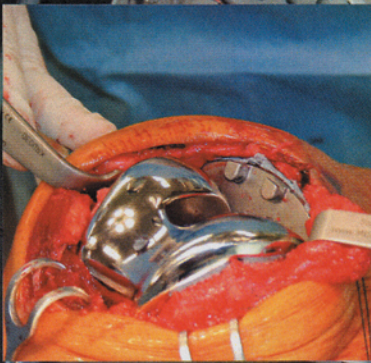
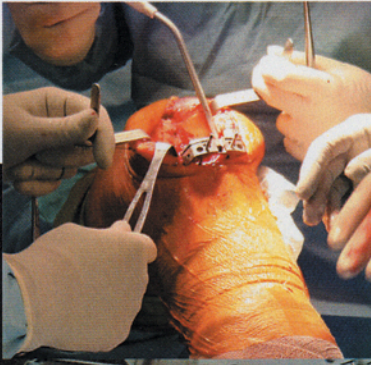
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**Precision German Manufactured**

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.



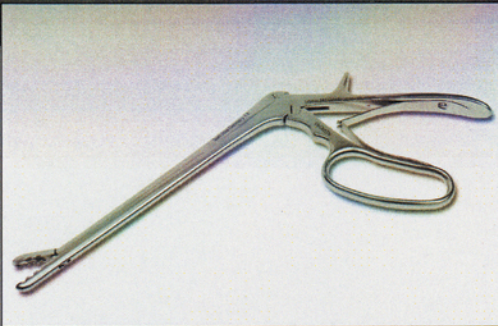
**Minimally Invasive Knee Retractor System**

**Complete Set:** p/n MISKR-01

- |                           |                         |
|---------------------------|-------------------------|
| 1-Surgical Tray           | 1-Tibia grasper         |
| 2-Ring Retractor          | 1-PCL Retractor         |
| 2-Z Retractors            | 1-Cobb/Tibia Distractor |
| 1-Femoral Notch Protector | 2-Right Angle Retractor |
|                           | 1-Knee/tissue grasper   |

**Surgical Tray** p/n ST0090

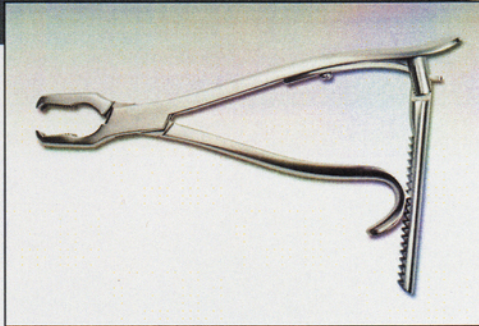
- Laser etched labeling
- Autoclavable
- Fixed instrument clamps



**Knee/Tissue Grasper** p/n KG0040

- German Manufactured
- 7" in length (can be used in Total Hip Replacement)

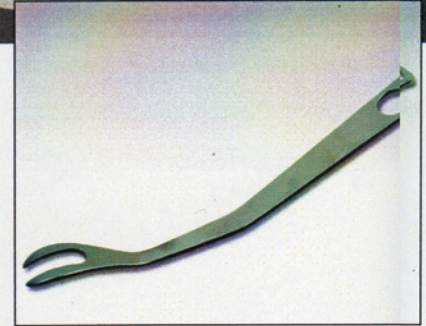
**Application:** used to grasp tissue or as a rongeur.



**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).

## PROVEN VIABILITY

### 850 Mini-Subvastus TKA's

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 aide the surgeon and provide better clinical outcomes. Please contact us.

#### Z Retractor p/n KR0010

German Manufactured  
Stainless Steel  
Low Profile

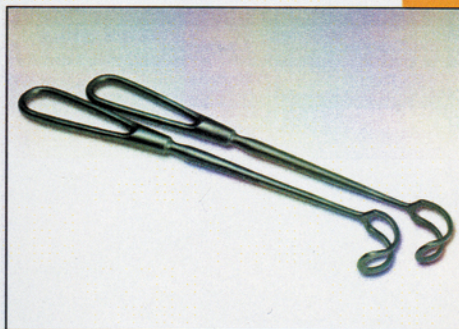
**Application:** Medical/Lateral Retraction.



#### Ring Retractor p/n KR0020

German Manufactured  
Stainless Steel

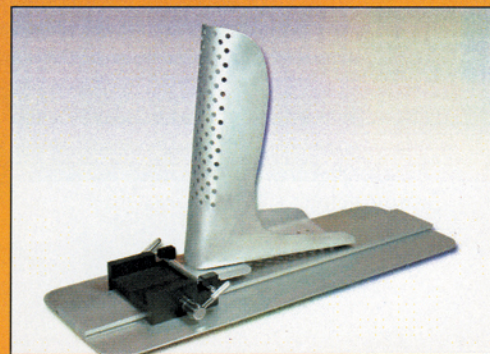
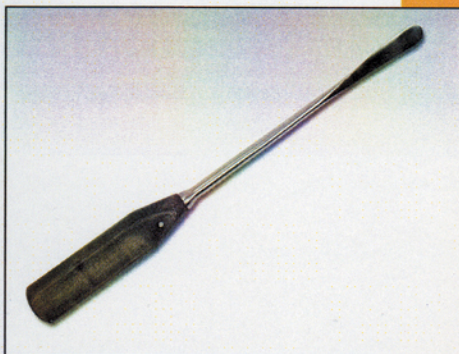
**Application:** Retracts full thickness with less tissue trauma.



#### Cobb Retractor/Tibia Distractor p/n KR0080

German Manufactured  
Stainless Steel  
Wood simulated handle

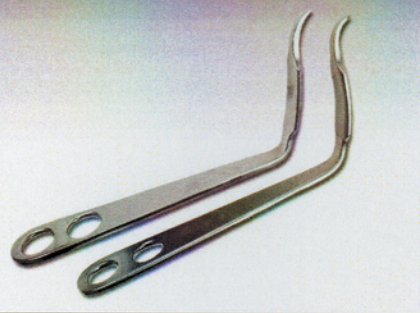
**Application:** Used like PCL Retractor, Cobb prevents digging into/damaging tibia. Recommend using Femoral Notch Protector p/n KR0060 with Cobb Retract.



#### Minimally Invasive Knee

##### Positioner p/n MISKP-01

German Manufactured  
Range of motion 0 to 150 degrees  
Boot 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  
Boot is flexible to fit each patient  
Frees up a surgical assistant

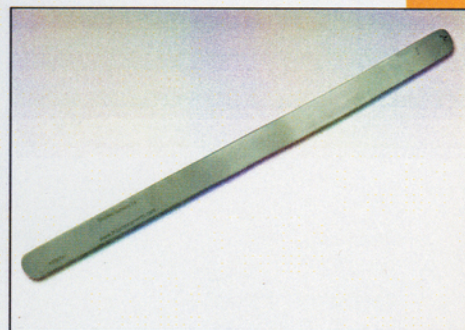


#### Right Angle

##### Hohmann p/n KR0030

German Manufactured  
Stainless Steel  
Blount 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.



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