



**MDLG**

[WWW.MDLG.CO.ZA](http://WWW.MDLG.CO.ZA)

# BUILDING RELATIONSHIPS

*BUILDING TRUST ONE CLIENT AT A TIME*

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# ABOUT

MDLG is a young vibrant company that entered the Health Care Industry in South Africa in 2009. Our business is to supply our Health Care products to surgeons all over South Africa. Our portfolio of products includes GS Medical's Spine Implant products.

GS Medical is a manufacturer and global supplier of spine implant and instrumentation products. The company's core focus is to develop cost-effective, yet innovative surgical solutions that provide optimal surgical outcomes for the surgeon, caregiver and patients alike. GS Medical consistently works to improve spinal and neurosurgical technology through innovative discussions with the greater medical community, surgeon customers, highly skilled engineers, and patients. The company strives to provide a diverse product offering including minimally invasive solutions, to meet the needs of the ever-evolving spinal and neurosurgical landscape.

“**YOUR RELIABLE PARTNER IN THE OPERATING ROOM**”

## PEDICAL SCREW SYSTEM

The GS Medical's GSS™ Mono & Poly Axial screw systems were designed to facilitate the placement of pedicle screws through versatility and ease of use. It is a posterior pedicle screw fixation system intended to provide stabilization of the spine in the thoracic, lumbar and sacral regions. This system is a 5.5mm Rod & Hexa type set screw system as well as Buttress Thread.





# LEADING INNOVATION

## UNIRAP REMOVAL SYSTEM

During revision it is often necessary to remove and change the existing implants and therefore, it is necessary to have the instrument set used during the previous operation or to have an appropriate screwdriver available. This is not always possible and in some circumstances the implant may no longer be in production.



**99%  
SUCCESS  
RATE**

“

It is against this background that we designed & patented this unique product. With this “removal tool” we are convinced we can remove 99% plus of pedicle screws available in the market.

”

Simplifies  
Removal  
Process ✓

Reduced  
Operating  
Time ✓

Reduces  
Blood Loss &  
Infection ✓

Minimizes  
Risk ✓

# CAGES

## JG TITANIUM CAGE

This cage has a port which securely connects to a syringe for collagen infusion.



Collagen port on the anterior facet of the cage.

The JG Titanium PLIF (posterior lumbar inter-body fusion device) is an anterior stabilisation device that is introduced through the foramen from a posterior approach. The cage is introduced through the foramen without opening of the spinal canal.

### FEATURES:

This cage accepts a substantial volume of autogenous or allograft bone, to create a bony fusion connection between adjacent vertebrae.



### CAGE INTRODUCER:

The TK Titanium TLIF cage introducer offers variable angles for the introduction of the cage. The TLIF introducer locks the cage into at variable angles to ensure optimal placement of the cage.

## TK-TITANIUM TLIF CAGE (TRANS-FORAMINAL INTER-BODY FUSION DEVICE)

The TK Titanium TLIF (transforaminal inter-body fusion device) is an anterior stabilisation device that is introduced through the foramen from a posterior approach, without opening of the spinal canal. The device is used in conjunction with posterior instrumentation.



The mesh design and open volume encourages bone growth for a more secure fusion



### FEATURES:

Bone growth into the mesh cage forms a bony fusion connection between adjacent vertebrae, leading to a more secure fusion. The cage can be filled with granulated autograft, allograft or collagen bone. Osteo-integration is also possible without any filler material.

## VDBT (3D PRINTED TITANIUM MESH CAGE)

The VDBT 3D printed cervical interbody cage is a device that simulates the trabecular structure of bone in a 3D printed mesh structure.