

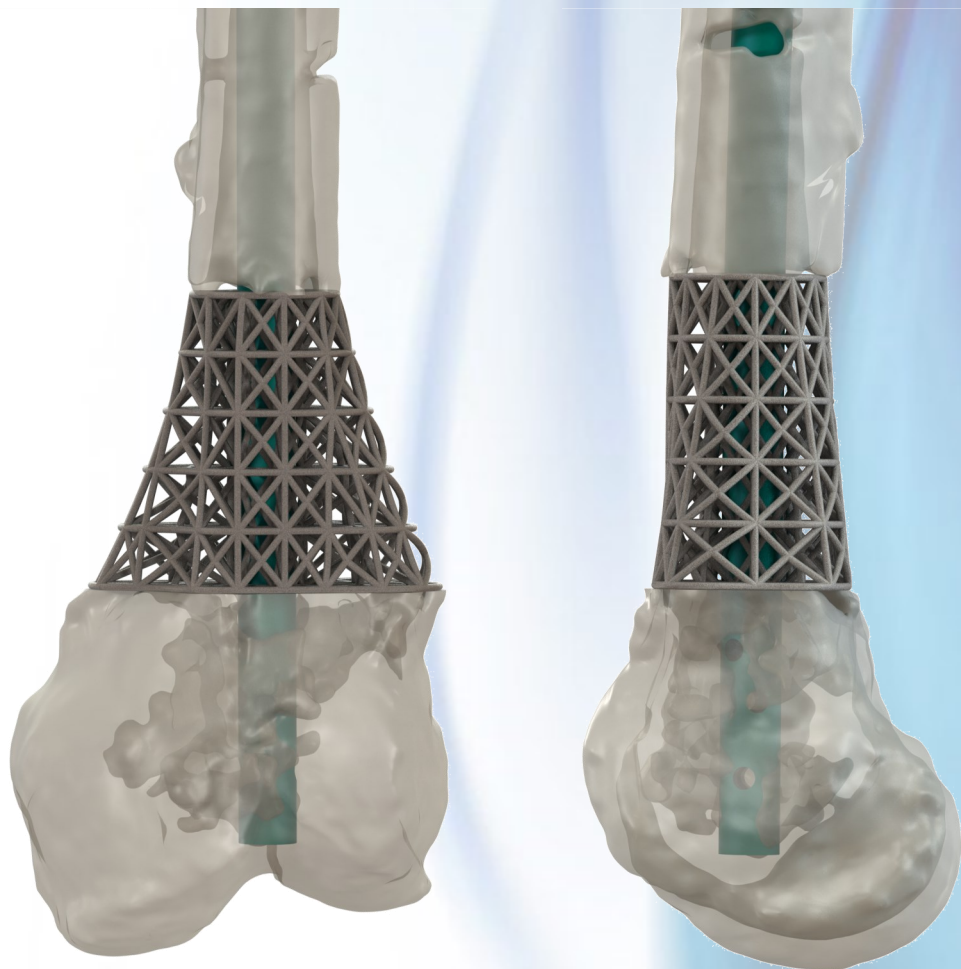
# LARS

# IMPLANTS

CiS

CUSTOM IMPLANT SOLUTIONS

## TiTRUSS CAGES

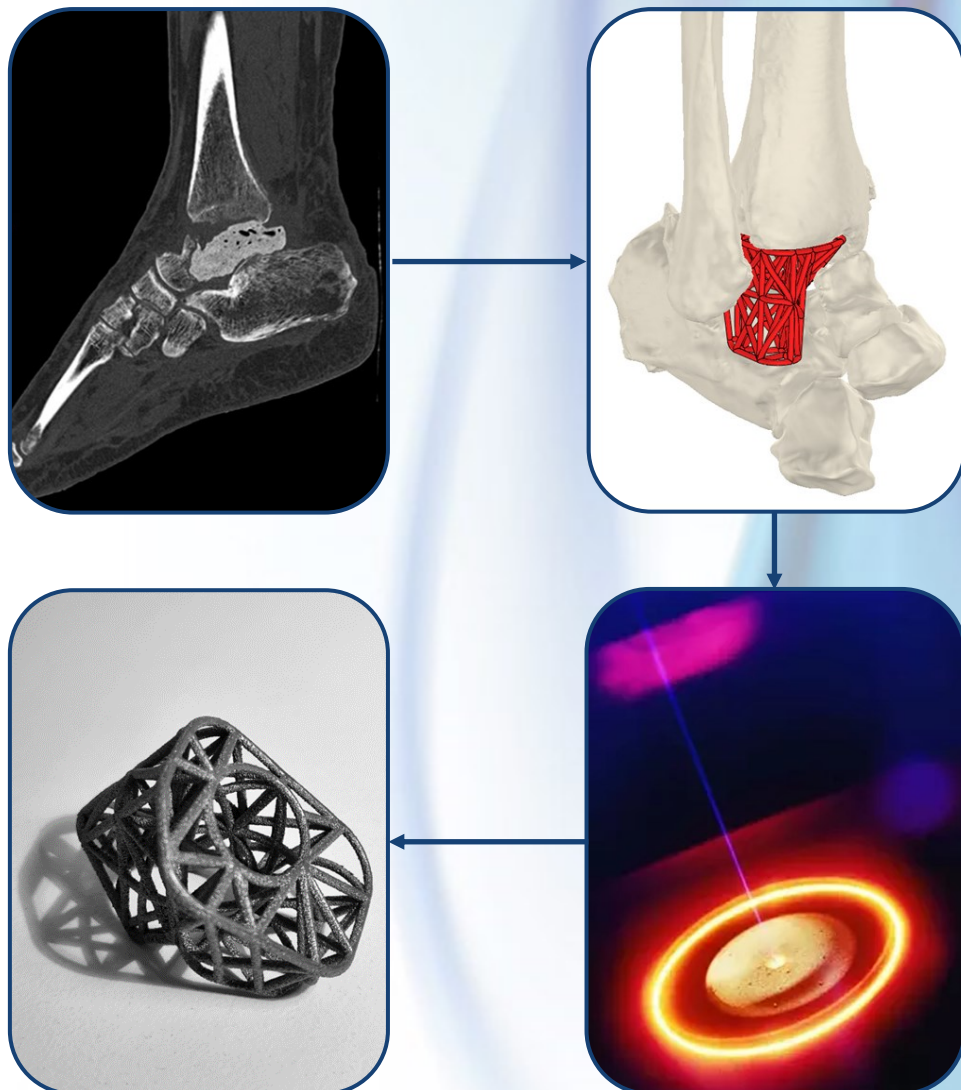


## ABOUT CiS

Based on years of experience in designing and developing custom implants, LRS Custom Implant Solutions (CiS) is a platform to ensure the best service to both surgeons and patients.

CiS works with surgeons to plan, design, and manufacture custom implants to solve cases that would not be possible with off-the-shelf implants. Careful consideration is given to both bony and soft tissue reconstruction. We offer the following services:

- Pre-Operative Planning
- Surgical Models
- Implant Design and Manufacture



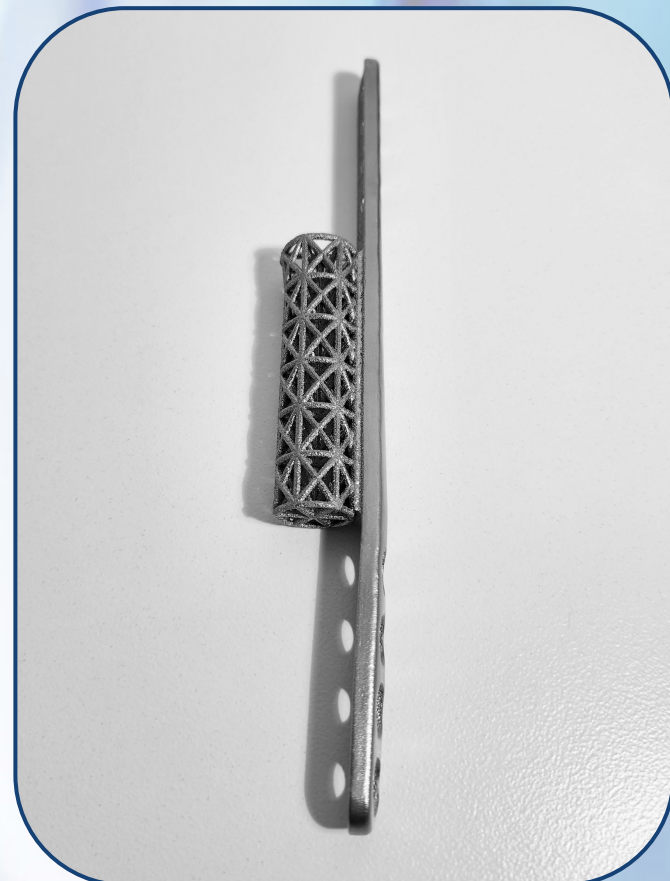
## TITRUS CAGES - LONG BONE

LRS designs and manufactures custom titanium truss cages (TiTruss) for the treatment of large segmental long bone defects.

The TiTruss cages are custom designed for each patient using CT data. The cages are then 3D printed in Ti6Al4V. The cage designs provide maximum mechanical strength, low weight, and a lattice conducive to filling with bone-graft. This is usually done in conjunction with Masquelet's induced membrane technique.

Close collaboration with the surgeon is vital throughout the process to consider surgical approach, fixation method, and the optimal outcome for the patient.

Surgical guides and anatomical models are provided to ensure a smooth surgery.

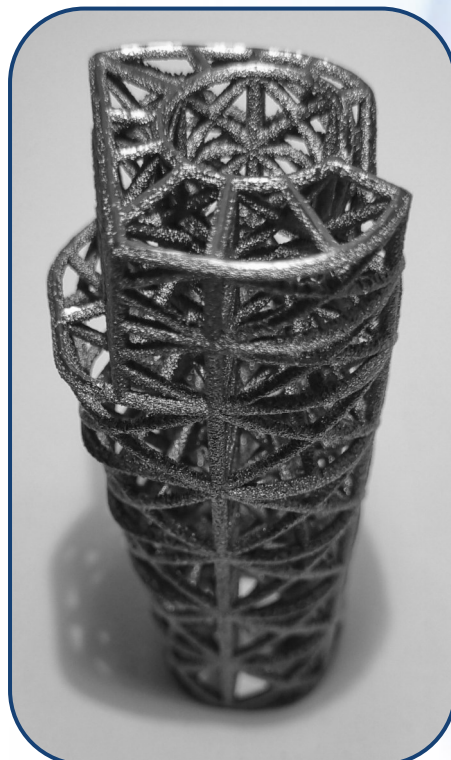




## TITRUS CAGES - FEMUR - EXAMPLES

Hydatid Disease

Proximal Femur





## TITRUSS CAGES - FEMUR - EXAMPLES

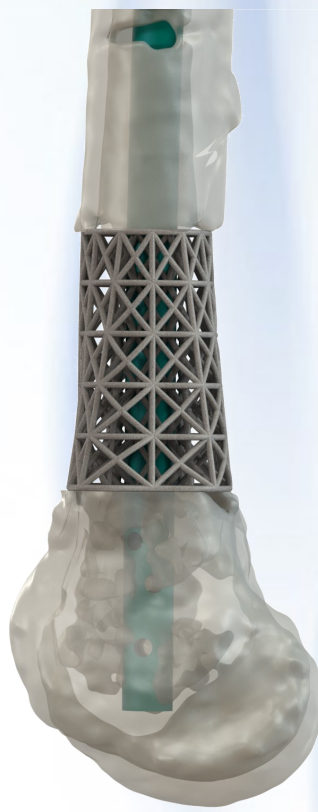
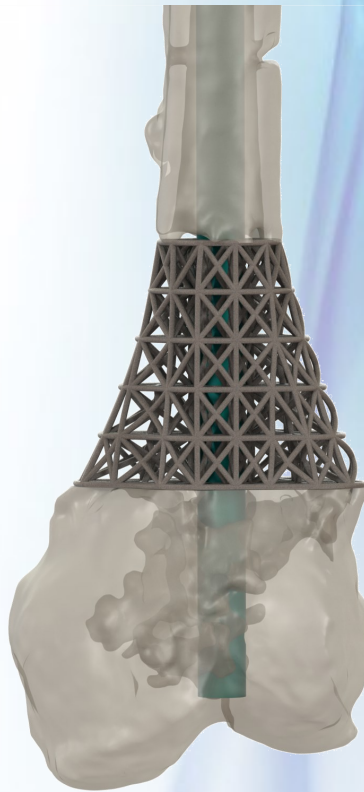
Diaphyseal Femur



*4 Months Post-Op*

## TITRUS CAGES - FEMUR - EXAMPLES

Distal Femur



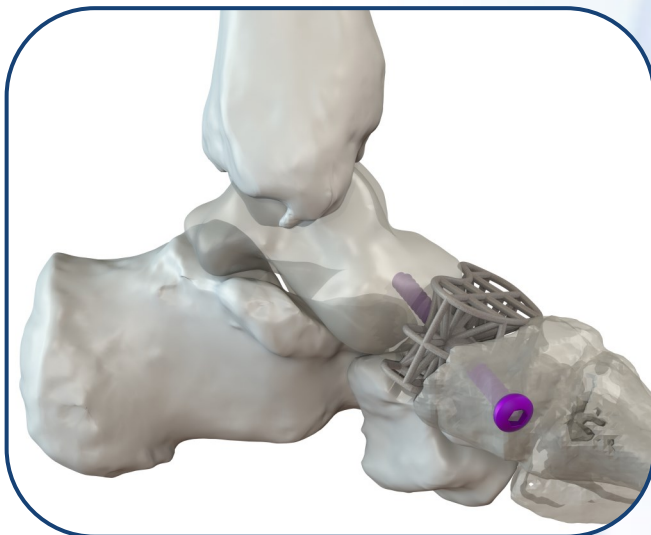
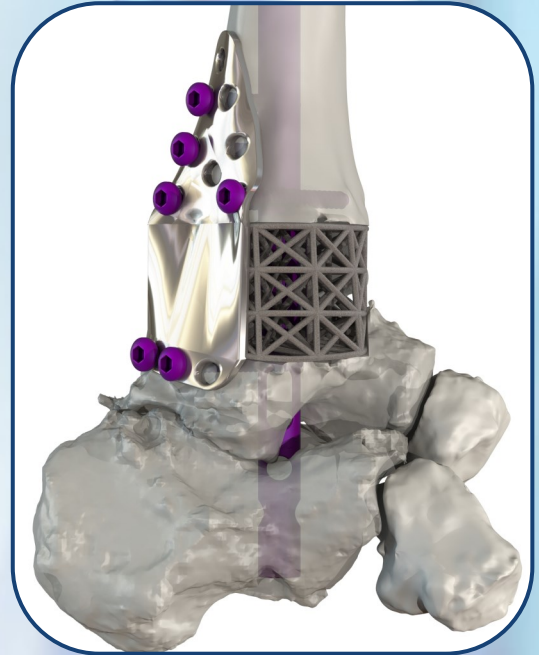


## TiTRUSS CAGES - TIBIA - EXAMPLE

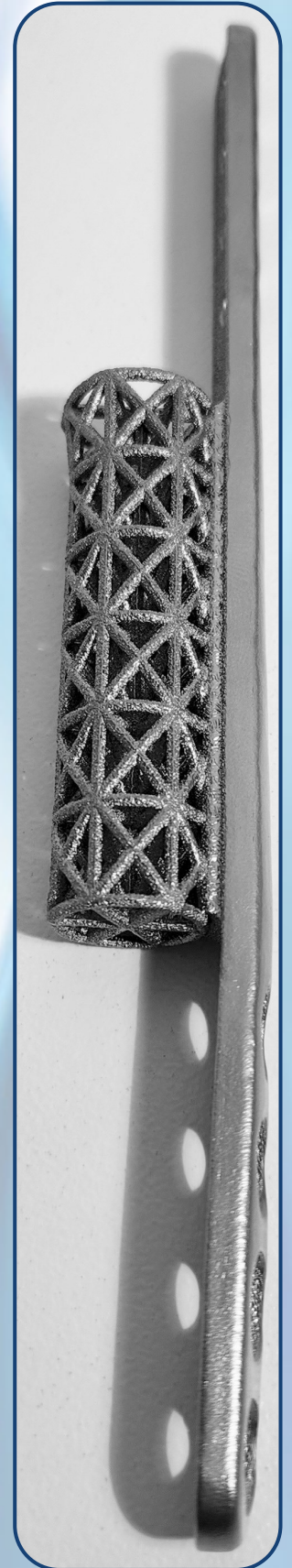
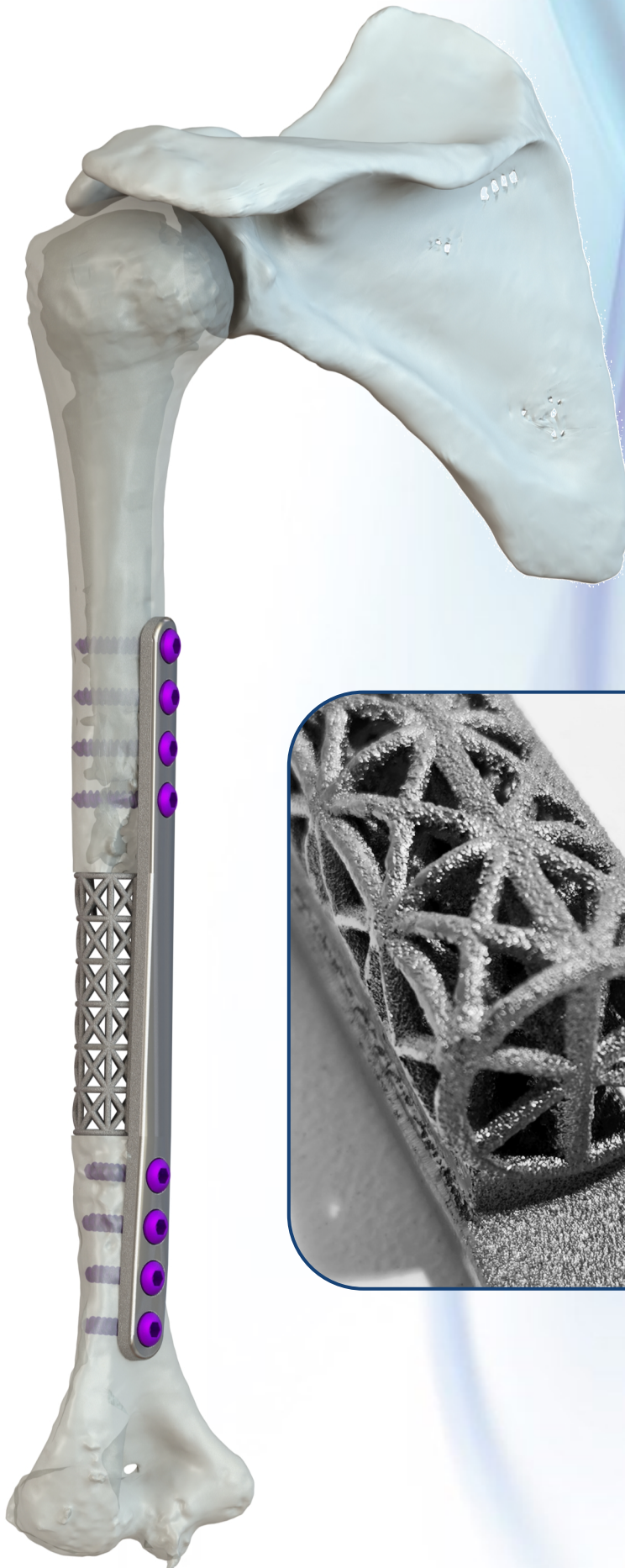




## TiTruss Cages - Foot and Ankle



## TITRUISS CAGES - UPPER LIMB - EXAMPLE



## CONTACT DETAILS

LRS Implants is an innovative Orthopaedic Company, based in Cape Town, South Africa. LRS specialises in the field of Limb Salvage, and in finding solutions for any orthopaedic challenges.

We are happy to collaborate with surgeons or medical device companies to bring their ideas to reality, whether it be a new instrument or a custom mega-prosthesis.

LRS partners with leading academic institutions and suppliers to ensure that all products are of the highest quality and meet all international medical device standards.

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