Simplified surgery.
Personalized performance.
VISIONAIRE° FastPak

Contents
• VISIONAIRE Cutting Guides
• Metal AP Cutting Block
• Ream-through Femoral Trial
• PS Cam Module
• Insert Trials (9,11,13mm)
• Tibial Baseplate
• Fin Punch

VISIONAIRE Core Values

Efficiency
Simplifying surgery, reducing costs, and improving performance

Confidence
Personalized, reliable solutions, leading to increased satisfaction

Accuracy
Advanced surgical precision, resulting in reproducible outcomes
VISIONAIRE® Personalized Services

- Regional customer support
- Regional engineers
- In-house manufacturing
- In-house design
- The 'brain trust' engineering QC
- The 'pit crew' personalized imaging techs

Conventional Total Knee

Expensive
Total knee arthroplasty is a complicated and expensive procedure. There are many resources required for each TKA, including numerous hospital staff, multiple instrument trays and rooms full of back-up inventory. All of this is required and necessary for just one case. For hospitals and surgeons performing multiple TKAs a day, the resource requirements can double or triple to support those surgeries, thus increasing the cost of surgery as well.

Complex
Due to the complexity of surgery, one total knee procedure may require up to 7 or more trays of sterile instruments. With this number of trays and instruments required for surgery, the opportunity for inefficiencies increase as well.

Challenges
• Long setup and turnover due to number of instruments and trays
• 150 to 175 lbs (68 to 80kgs) of instruments that need to be moved around and setup for each surgery
• Challenging instrumentation and set up for less experienced nurses and staff

Conventional Total Knee Arthroplasty requires a lot of equipment and resources, which can make the procedure expensive, complex and challenging. These are just some of the challenges hospitals and staff face each day. Below is an image of all the instruments and implants needed to support just one total knee surgery.

Instruments and Implants required for conventional TKA

7 trays 150lbs (68kgs)
63 boxes of implants
VISIONAIRE® FastPak

Cost-Effective
Smith & Nephew's VISIONAIRE FastPak is a cost-effective approach to total knee arthroplasty. VISIONAIRE FastPak includes VISIONAIRE Cutting Guides and size-specific single-use instruments. This can significantly reduce the resources and time required for a total knee arthroplasty.

Simple
VISIONAIRE FastPak simplifies the requirements for a total knee. The number of trays required for surgery are reduced to only 2-3 trays. The patient's implant size is known prior to surgery, so only the instruments and implants specific to that patient are needed.

Benefits
VISIONAIRE FastPak offers a patient-specific solution to help reduce complexity and cost in the OR while helping to improve patient alignment. This solution allows a surgeon and staff to know exactly what to expect in surgery and take in exactly what is needed for that procedure. FastPak includes all of the size-specific single-use instruments and the patient-matched cutting guide. Below is an image of the instrument trays and implants that are required for a surgery utilizing VISIONAIRE FastPak.

FastPak
- VISIONAIRE Cutting Guides
- Metal AP cutting block
- Ream-through femoral trial
- Insert trials (9, 11, 13mm)
- Tibial baseplate
- PS cam module

Instruments and Implants needed for VISIONAIRE FastPak

3 trays 75lbs (34kgs)
24 boxes of implants
Efficiency

VISIONAIRE° uses 57% less trays for total knee surgery.
Efficiency is the ability to accomplish a job with minimal expenditure of time and effort. VISIONAIRE® FastPak helps achieve efficiency by reducing instrument trays required for surgery and improving OR set up and turnover time.²

FastPak
Total knee arthroplasty with standard instrumentation requires up to 7 or more trays of instruments. With the VISIONAIRE FastPak, a knee surgery can be completed with only 2-3 instrument trays.

Advantages
- 57% reduction in instrument trays
- New, sterile instruments for every surgery to make precise bone cuts.
- Streamlined surgical procedure with less instrumentation and time required for OR setup and turnover²
- Potential to reduce surgical delays due to missing, broken or compromised instruments and trays due to the fact there are less instruments required.
- Potentially less risk of contamination due to reasons stated above

Room Turnover Time (min) Avg Tourniquet Time (min)

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Confidence

Confidence is having trust or reliability in something. VISIONAIRE® FastPak helps add confidence in the OR by reducing the complexity of surgery with patient-specific kits and less instruments required for surgery.

Ease of Use
Reducing instrument trays by 57% in the OR significantly helps the flow in the OR. This makes the procedure less complicated for less experienced nurses and OR staff. So, for hospitals or surgeons who do not have a dedicated Ortho team, this simplifies surgery for rotating staff.

Flexibility
Hospital staff can also take confidence in the fact that single use instruments from the VISIONAIRE FastPak can be used in a manner that best suits their hospital. Smith & Nephew offers several different solutions that utilize this new technology. Some of those solutions are described below.

- **VISIONAIRE FastPak**: These kits include the VISIONAIRE Cutting Guides and all the size-specific single-use instruments. This option allows for the least amount of instruments and trays to be used in the OR.

- **VISIONAIRE Digital Templating**: This option allows the hospital or surgeon to use digital templating technology to determine the implant size pre-operative, therefore requiring a smaller, more precise range of single-use instruments necessary for the OR.

- **Standard Instrumentation**: Single-use size-specific instruments will also be offered in individual, size-specific peel packed kits, allowing the surgeon to determine the size intraoperatively and open the correct single-use trials to be used in surgery.

Peace of Mind
The surgeon has confidence that he will have new, sterile instruments specific for each patient and the OR staff can have confidence that setup, surgery and cleanup will be simple with minimal time commitment.
Proven Performance
VISIONAIRE® FastPak is available for our LEGION® Total Knee System. LEGION is based on the GENESIS® II total knee system, which has over 20 years of clinical history, giving you confidence in your implant and instruments.

LEGION Total Knee System
- Seamless transition from primary, revision to hinge
- Anatomical Baseplate
- Ream Through Femoral Trial for PS box prep

Environmentally Responsible
Smith & Nephew understands the benefits FastPak can offer a hospital and surgical staff, but we also care about our impact on the environment. We have established a recycling program for our single-use instruments to help ensure an environmentally friendly solution for our customers. All of the contents of the VISIONAIRE FastPak can be recycled. Please contact your local sales rep to enroll in this program.
Accuracy

Accuracy is the condition or quality of being true, correct or exact. VISIONAIRE® FastPak helps achieve accuracy in alignment, rotation and sizing by incorporating the VISIONAIRE Cutting Guides in every patient-specific kit.

VISIONAIRE Cutting Guides incorporate a patient’s MRI and full leg X-Ray to determine mechanical axis alignment, rotation and sizing. Utilizing common anatomical landmarks from these images, an engineer creates a precise surgical plan based on each surgeon’s specific preferences.

Coronal Plane Alignment

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A comparison of conventional and patient-specific instruments in total knee arthroplasty; International Orthopaedics, Jul 2013; Daniilidis, Tibesku (Germany)

Heyse J. Improved femoral component rotation in TKA using patient-specific instrumentation, The Knee; 2012
Sizing

The bone models created from the patient’s MRI also allow the engineer to determine the most accurate Smith & Nephew implant size combination for the patient. VISIONAIRE® Cutting Guide sizing has demonstrated accuracy as high as 94% in published reports.4

The combination of the VISIONAIRE Cutting Guides and the single-use instruments creates an opportunity to increase efficiencies in the OR and provide just the instruments and sizes needed for surgery.
References


2 Heyse J. Improved femoral component rotation in TKA using patient-specific instrumentation; The Knee; 2012

