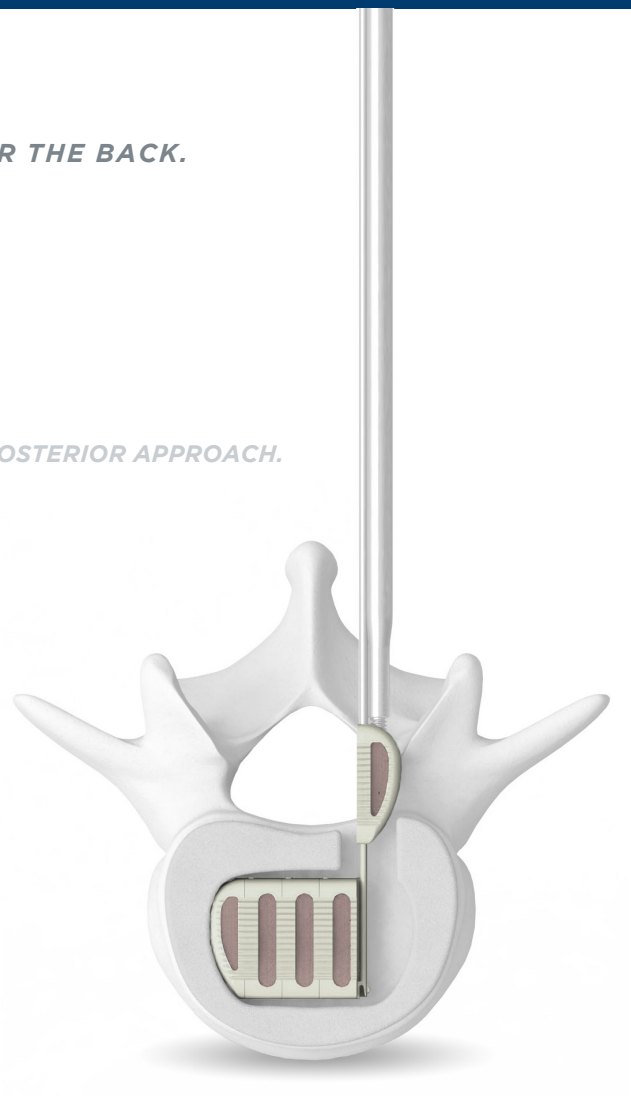
FORWARD THINKING FOR THE BACK.

INTERFUSE S™

ACHIEVE AN ALIF-SIZED FOOTPRINT WITH A POSTERIOR APPROACH.



The InterFuse S™ spinal implant uses a minimally invasive posterior lumbar interbody fusion approach, but allows for a larger ALIF-sized footprint. This is accomplished through a modular assembly technique, and provides the patient with optimal disc support and reduces the possibility of implant subsidence and migration.

DEVICE DESCRIPTION:

The VTI InterFuse S™ is a lumbar implant comprised of a series of 3 to 6 modules, with an implant coverage area ranging from 340 mm^2 to 715 mm^2. The InterFuse S is available in seven heights (7 mm, 8 mm, 9 mm, 10 mm, 11 mm, 12 mm, 14 mm), one A-P length (20 mm), and two endplate angles (parallel, 5 degree lordotic angle). The device is supplied in 4-module (ABBC) and single B module packages. The device is supplied STERILE.

The InterFuse S™ is made of radiolucent PEEK-Optima™ to provide structural strength with nearly the same stiffness of cortical bone while maintaining the ability to assess fusion progress radiographically. The InterFuse S incorporates tantalum markers to aid in visualizing the device during intraoperative and postoperative radiographic assessment. The unique rail-and-slot design using stainless steel tails assures proper placement and alignment of each segment. The InterFuse S allows for the use of three to as many as six segments to provide the best fit possible for each individual patient.

BONE GRAFT VOLUME (CC)

HEIGHT	3 MODULES	4 MODULES	5 MODULES	6 MODULES
7 mm	0.7 cc	1.0 cc	1.3 cc	1.6 cc
8 mm	0.8 cc	1.2 cc	1.5 cc	1.9 cc
9 mm	0.9 cc	1.3 cc	1.7 cc	2.1 cc
10 mm	1.0 cc	1.5 cc	1.9 cc	2.4 cc
11 mm	1.1 cc	1.6 cc	2.1 cc	2.6 cc
12 mm	1.2 cc	1.8 cc	2.3 cc	2.8 cc
14 mm	1.5 cc	2.1 cc	2.7 cc	3.3 cc

INDICATIONS FOR USE:

The InterFuse S™ Intervertebral Body Fusion Device is indicated for intervertebral spinal fusion procedures in skeletally mature patients with degenerative disc disease (DDD) at one or two contiguous levels from L2-S1. DDD is defined as discogenic back pain with degeneration of the disc confirmed by patient history and radiographic studies. These patients may also have up to Grade I spondylolisthesis or retrolisthesis at the involved level(s).

The InterFuse S™ device is to be used in patients who have had at least six (6) months of non-operative treatment. These patients may have had a previous non-fusion surgery at the involved spinal level(s). The InterFuse S device is indicated for use with bone graft and to be used with supplemental internal spinal fixation systems that have been cleared for in the lumbosacral spine.

SURGICAL TECHNIQUE:

Preoperative planning is recommended to determine the proper size needed for the patient's disc space. To summarize, the surgical technique for this device involves:

a) Identifying landmarks

b) Distraction of the disc

c) Creating an access channel

d) Removal of the nucleus

e) Determining size

f) Module insertions and footprint maximization

g) Module disengagement and closure

Please refer to www.vti-spine.com for Contraindications, Warnings, Precautions, Instrument Set, and Full Surgical Technique.