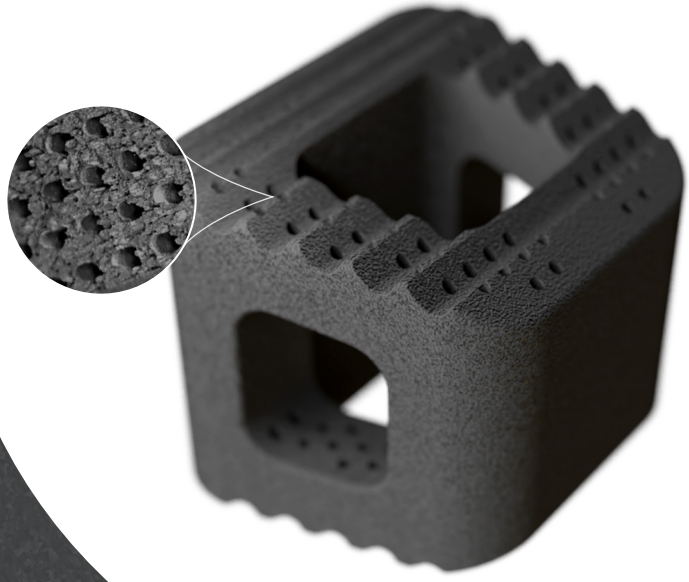
CTL AMEDICA
rethink what's possible®

NITRO™
A SILICON NITRIDE PRODUCT

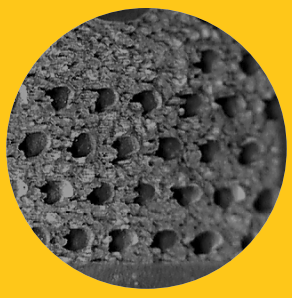


NITRO is CTL Amedica's exclusive and revitalized family of interbody implants, crafted entirely of the heavily researched and proven bio-ceramic material, silicon nitride. Next-generation NITRO implants harness all the innate advantages of silicon nitride, in combination with innovative enhancements for an even greater osteogenic and bacteriostatic response.

FEATURES & BENEFITS

Precisely Sized Axial Pores

The NITRO interbody fusion family incorporates precisely sized axial pores that promote capillary action and a pathway for bony through-growth



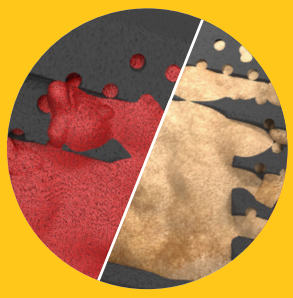
Macro-Texturing

Macro-texturing provides even greater surface area throughout the implant, increasing bony contact and enhancing innate bacteriostatic properties

Integration Options and Configurations

The NITRO interbody fusion family offers a robust and comprehensive variety of standalone integration options, lordotic offerings, and size configurations

Note: Standalone integration is pending market launch.

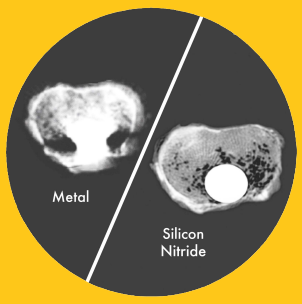


Enhanced Osteogenic Response

NITRO implants have demonstrated superior protein absorption and increased osseointegration compared to other biomaterials[1,2]

Bacteriostatic Properties

Silicon nitride possesses unique bacteriostatic properties, inhibiting the growth of bacteria[2]



Artifact-Free Imaging

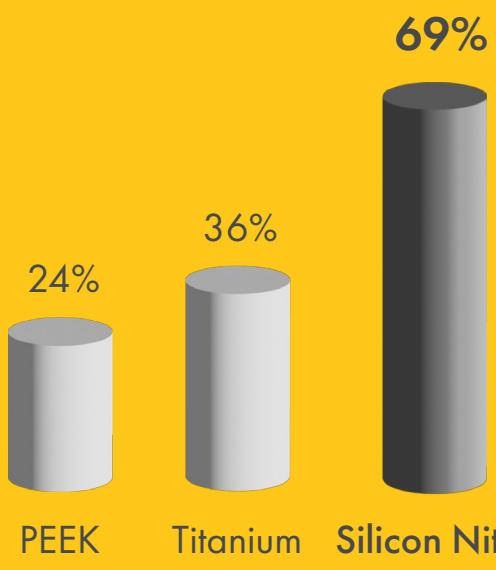
The biomaterial used in NITRO allows for artifact-free CT scan imaging, enabling clear visualization of the implant and surrounding tissues

[1] Webster TJ, Patel AA, Rahaman MN, Sonny Bal B. Anti-infective and osteointegration properties of silicon nitride, poly(ether ether ketone), and titanium implants [published online ahead of print July 31, 2012]. Acta Biomater.
[2] Gorth DJ, Puckett S, Ercan B, Webster TJ, Rahaman M, Bal BS. Decreased bacteria activity on Si(3)N(4) surfaces compared with PEEK or titanium. Int J Nanomedicine. 2012;7:4829-4840.

CTL AMEDICA
rethink what's possible®

NITRO™
A SILICON NITRIDE PRODUCT

Percentage of new bone around NITRO implant at **90 days**[1]



1. Webster TJ, Patel AA, Rahaman MN, Sonny Bal B. Anti-infective and osteointegration properties of silicon nitride, poly(ether ether ketone), and titanium implants [published online ahead of print July 31, 2012]. Acta Biomater.

4550 Excel Parkway, Suite 300 Addison, TX 75001
P: 214-545-5820 | E: info@ctlmed.com | www.ctlamedica.com
OVR.NITRO.050623 Rev A