

BladeX[®]



BladeX[®] MIS Decorticator

Built for Fusion Biology

BladeX decortication technology is intended to be used as part of the Integrity-SI Fusion System surgical technique (SI-002-LBL-0004). Refer to the Instructions for Use (SI-002-LBL-0003) for complete indications, contraindications, warnings, and precautions.

BladeX Enables

- Cancellous-to-cancellous bone contact
- Graft containment and incorporation
- Sustained compression environment supporting a reproducible pathway to biologic arthrodesis

BladeX Deployment	Measured Decortication Volume
24mm	2.00cc
32mm	4.12cc
38mm	6.53cc

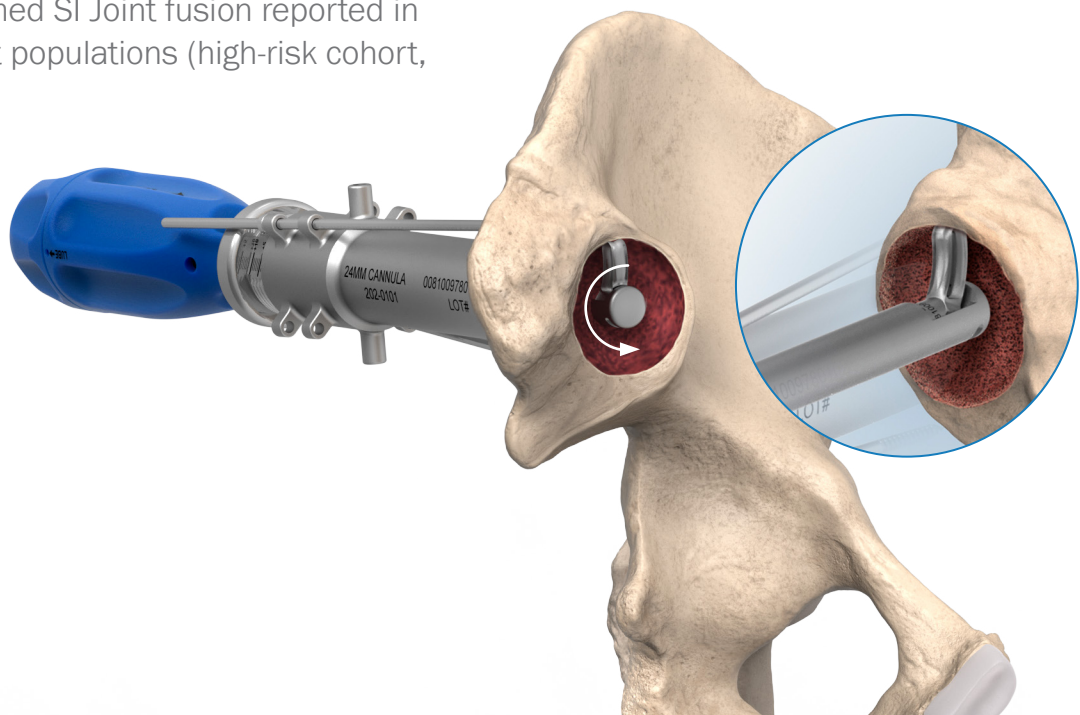


Estimated Decortication Volume

AO Principles-Based Technique

Clinical Evidence

- 81–98% CT-confirmed fusion reported in primary SI Joint Fusion cohorts (Cross 2023^{1,2})
- 89% CT-confirmed SI Joint fusion reported in revision SI joint populations (high-risk cohort, Thompson³)



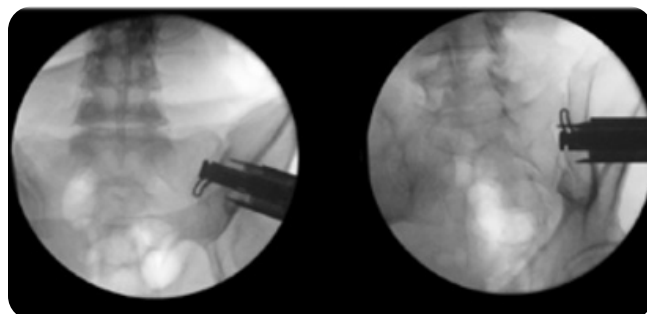
BladeX® Technology Enables Surgeon Controlled Decortication Designed To

- Remove fibrocartilage and subchondral bone
- Expose underlying cancellous bone
- Establish a prepared fusion zone for graft placement



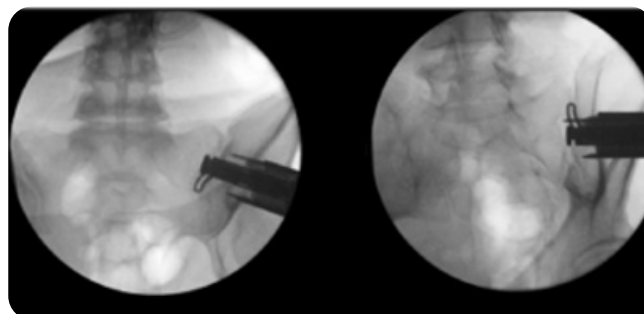
Foundational AO Principles Based Approach for SI Joint Fusion

- Joint preparation (decortication)
- Bone grafting
- Compression
- Ridged fixation



Decortication Pathway

Prepared Fusion Zone



Instrument Trajectory

Joint Preparation

BladeX Performance

- Up to ~22 cm² of estimated decorticated surface area

High-coverage decortication is intended to maximize the prepared biologic interface for graft incorporation and sacroiliac joint fusion.

References:

1. Cross WW III, et al. Minimally invasive SIJ fusion with decortication and threaded fixation: 12-month results. Open Orthop J. 2018;12:7-17.
2. Cross WW III, et al. Clinical and radiographic outcomes after decortication-based MIS SIJ fusion. Orthopedics. 2023;46(1):23-32.
3. Thompson J, et al. Revision SIJ fusion outcomes. Int J Spine Surg. 2023;17(3):412-421.



BladeX®

75 West 300 N, Suite 150
Logan UT, 84321
Phone: 1-800-969-0639
info@osteocentric.com
osteocentric.com

OsteoCentric Trauma, LLC; OsteoCentric SI Fusion, LLC; OsteoCentric Extremities, LLC; OsteoCentric Spine, LLC; OsteoCentric Sports LLC; OsteoCentric Recon, LLC; OsteoCentric Dental, LLC; OsteoCentric Oncology, LLC; and OsteoCentric Vet, LLC; are a family of the companies under the OsteoCentric brand and are under common ownership or common corporate control within OsteoCentric Technologies, Inc.

SI-002-LBL-0018 Rev 01