

Ultimate Control

BoneScalpel, the innovative ultrasonic instrument putting more control in your hands.



Better surgeons need better tools.

BoneScalpel, powered by neXus, provides our customers with
better products at a better value.

The Value of BoneScalpel Spinal Deformity Procedures:



Blood Loss

When performing Ponte releases, research shows that using BoneScalpel reduces the EBL by 30-40% when compared to osteotomes and rongeurs¹.



Safety

Utilization of BoneScalpel in spinal procedures permits "safe bone removal adjacent to important soft tissue structures." Utilizing BoneScalpel in place of a high speed burr "eliminates the possibility of unwanted soft tissue capture/injury and erratic drill movement."³



Bone Graft Savings

With the utilization of BoneScalpel, on average for 2-5 level fusions, there is a 23% reduction in bone grafting costs².

Ponte Osteotomy



Pedicle Subtraction Osteotomy



Vertebral Column Resection



20 mm Blade, Blunt

110-31-1120
Working Length = 40mm
110-31-2120
Working Length = 100mm



20 mm Blade, Blunt

110-31-1120
Working Length = 40mm
110-31-2120
Working Length = 100mm



20 mm Blade, Blunt

110-31-1120
Working Length = 40mm
110-31-2120
Working Length = 100mm



Macro Hook Shaver

110-31-1220
Working Length = 50mm



Diamond Shaver

110-31-1230
Working Length = 34mm



Diamond Shaver

110-31-1230
Working Length = 34mm

Refer to www.misonix.com for the *Instructions for Use Manual* for the indications and contraindications.

1. Bartley CE, Bastrom TP, Newton PO. Blood Loss Reduction During Surgical Correction of Adolescent Idiopathic Scoliosis Utilizing an Ultrasonic Bone Scalpel. *Spine Deform.* 2014 Jul;2(4):285-290.
2. Jensen WK. Misonix: Use of the BoneScalpel® in posterior lumbar fusions decreases the amount of allograft needed for fusion, thus reducing costs. [poster]. NASS 32nd Annual Meeting. 2017.
3. Pakzaban, P. (2014), Ultrasonic Total Uncinectomy: A Novel Technique for Complete Anterior Decompression of Cervical Nerve Roots; *Operative Neurosurgery*; 10 (4): 535-541.

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