

NOVA

Minimally
Invasive System

Multiple Screws
In One Incision

Better
In-Situ Visualization

Simplified
Surgical Technique

Less
Radiation Exposure

NOVA

The New Possibility of MISS

NOVA Minimally Invasive System is a revolutionary solution for minimally invasive spine surgery. It is a versatile system with innovative implants and comprehensive instrumentations. The design is to maximize cosmetic outcomes and clinical results for patients while enhancing the operating efficiency for surgeons. The unprecedentedly multiple screws capability and integrated function of instruments shortens the operation time and improves the efficiency of a minimally invasive surgery.



1/4 TUBE DESIGN

eliminates the problems of tube interference

PILOT HOLES

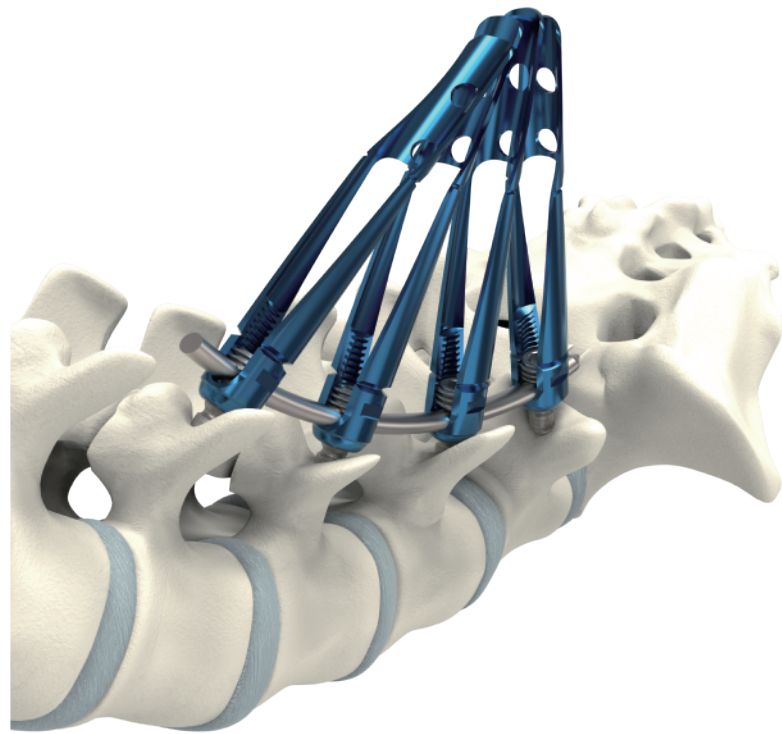
assists in screw implantation alignment and adjustment of rod contour for multi-level stabilization

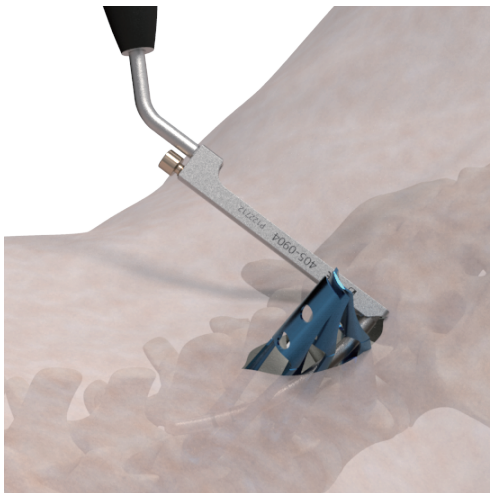
WIDE WINDOW

The wide window enables better in-situ view and easier rod delivery without a specific instrument and an extra incision

MULTIPLE SCREWS IN ONE INCISION

NOVA Minimally Invasive System is ideally intended for the implantation at the curvature such as L5-S1. Besides, the system enables a three-level stabilization including all the implantation and decompression in a 3.5 cm incision. Unlike the multiple scars left by the percutaneous approach in which one screw implantation requires one incision while decompression and rod delivery might require an extra, NOVA Minimally Invasive System leaves patients with fewer scars by mini-open approach.



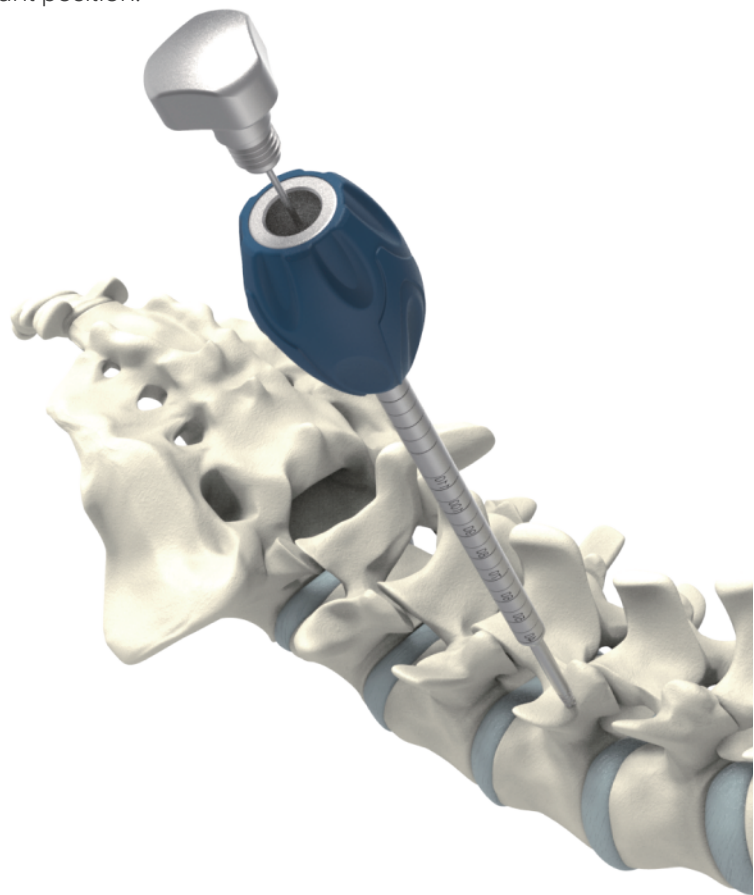


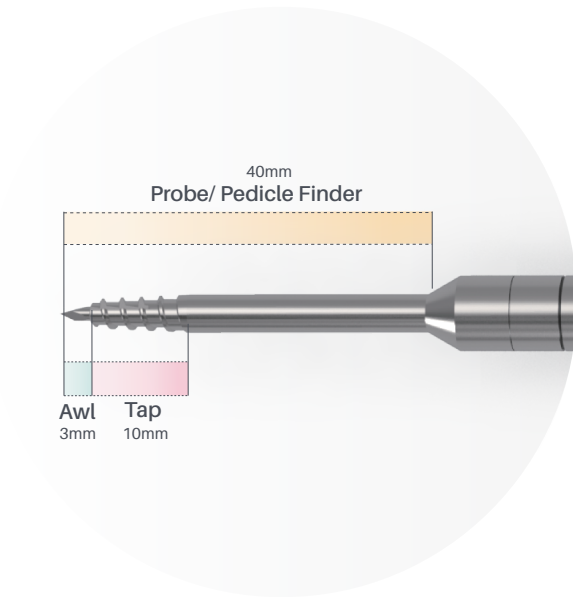
BETTER IN-SITU VIEW

The wide window and extended sleeve provides better in-situ view than the general percutaneous MIS systems. The design simplifies the rod delivery and requires less fluoroscopy to verify implant position.

SIMPLIFIED SURGICAL TECHNIQUE

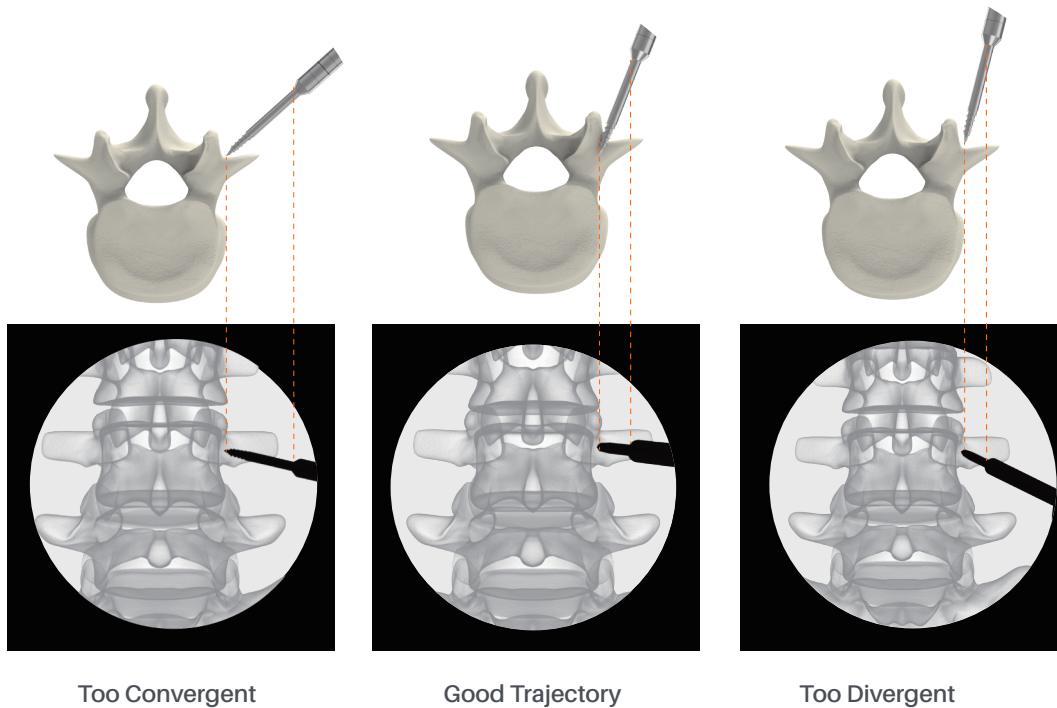
The surgical technique is simplified with the integrated functions of NOVA's instrumentations while most MIS systems' come with numerous intricate tools. The signature Tap Awl, a tool that combines an awl with a replaceable tip, a tap, and a probe, simplify the procedures for pedicle preparation.





LESS RADIATION EXPOSURE

The 3 in 1 Awl is able to target the pedicle precisely with reduced radiation dosages. With perfect angulation, NOVA Minimally Invasive System applies only anterior and posterior view of fluoroscopy to target the entry point. The pedicle finder portion of the 3 in 1 Awl can be used to determine the correct trajectory by inspecting its direction and length of projection line.



Implant Catalog



■ Poly Axial Screw

663-4530Y	D4.5mm X L30mm
663-4535Y	D4.5mm X L35mm
663-4540Y	D4.5mm X L40mm
663-4545Y	D4.5mm X L45mm
663-4550Y	D4.5mm X L50mm
663-5030Y	D5.0mm X L30mm
663-5035Y	D5.0mm X L35mm
663-5040Y	D5.0mm X L40mm
663-5045Y	D5.0mm X L45mm
663-5050Y	D5.0mm X L50mm
663-5530Y	D5.5mm X L30mm
663-5535Y	D5.5mm X L35mm
663-5540Y	D5.5mm X L40mm
663-5545Y	D5.5mm X L45mm
663-5550Y	D5.5mm X L50mm
663-6030Y	D6.0mm X L30mm
663-6035Y	D6.0mm X L35mm
663-6040Y	D6.0mm X L40mm
663-6045Y	D6.0mm X L45mm
663-6050Y	D6.0mm X L50mm
663-6240Y	D6.25mm X L40mm
663-6245Y	D6.25mm X L45mm
663-6250Y	D6.25mm X L50mm
663-6530Y	D6.5mm X L30mm
663-6535Y	D6.5mm X L35mm
663-6540Y	D6.5mm X L40mm
663-6545Y	D6.5mm X L45mm

663-6550Y	D6.5mm X L50mm
663-6555Y	D6.5mm X L55mm
663-6560Y	D6.5mm X L60mm
663-7030Y	D7.0mm X L30mm
663-7035Y	D7.0mm X L35mm
663-7040Y	D7.0mm X L40mm
663-7045Y	D7.0mm X L45mm
663-7050Y	D7.0mm X L50mm
663-7055Y	D7.0mm X L55mm
663-7060Y	D7.0mm X L60mm
663-7530Y	D7.5mm X L30mm
663-7535Y	D7.5mm X L35mm
663-7540Y	D7.5mm X L40mm
663-7545Y	D7.5mm X L45mm
663-7550Y	D7.5mm X L50mm
663-7555Y	D7.5mm X L55mm
663-7560Y	D7.5mm X L60mm
663-8030Y	D8.0mm X L30mm
663-8035Y	D8.0mm X L35mm
663-8040Y	D8.0mm X L40mm
663-8045Y	D8.0mm X L45mm
663-8050Y	D8.0mm X L50mm
663-8055Y	D8.0mm X L55mm
663-8060Y	D8.0mm X L60mm



■ Nova Poly Axial Screw (Fenestrated)

663-5530Z	D5.5mm X L30mm
663-5535Z	D5.5mm X L35mm
663-5540Z	D5.5mm X L40mm
663-5545Z	D5.5mm X L45mm
663-5550Z	D5.5mm X L50mm
663-6030Z	D6.0mm X L30mm
663-6035Z	D6.0mm X L35mm
663-6040Z	D6.0mm X L40mm
663-6045Z	D6.0mm X L45mm
663-6050Z	D6.0mm X L50mm
663-6240Z	D6.25mm X L40mm
663-6245Z	D6.25mm X L45mm
663-6250Z	D6.25mm X L50mm
663-6530Z	D6.5mm X L30mm
663-6535Z	D6.5mm X L35mm
663-6540Z	D6.5mm X L40mm
663-6545Z	D6.5mm X L45mm
663-6550Z	D6.5mm X L50mm
663-6555Z	D6.5mm X L55mm
663-6560Z	D6.5mm X L60mm
663-7030Z	D7.0mm X L30mm
663-7035Z	D7.0mm X L35mm
663-7040Z	D7.0mm X L40mm
663-7045Z	D7.0mm X L45mm
663-7050Z	D7.0mm X L50mm
663-7055Z	D7.0mm X L55mm
663-7060Z	D7.0mm X L60mm

663-7530Z	D7.5mm X L30mm
663-7535Z	D7.5mm X L35mm
663-7540Z	D7.5mm X L40mm
663-7545Z	D7.5mm X L45mm
663-7550Z	D7.5mm X L50mm
663-7555Z	D7.5mm X L55mm
663-7560Z	D7.5mm X L60mm



■ Pre-Bent Rod

320-5504C	L40mm
320-5505C	L50mm
320-5506C	L60mm
320-5507C	L70mm
320-5508C	L80mm
320-5509C	L90mm
320-5510C	L100mm
320-5511C	L110mm
320-5512C	L120mm
320-5513C	L130mm
320-5515C	L150mm
320-5517C	L170mm
320-5519C	L190mm
320-5521C	L210mm
320-5523C	L230mm
320-5525C	L250mm

Instrument Set



3 in 1 Cannulated Awl
405-0502A



Trocar Tube
405-0302

1.4mm Guide Pin
409-3114A



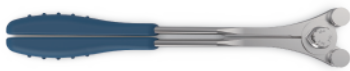
Cannulated Tap
4.5mm 405-0545D
5.5mm 405-0555D



Cannulated Poly Axial Screw Driver
409-0836B



Caliper
405-1103A



Adjustable Rod Bender
406-1202



Rod Holder
405-0904J



Anti-Rotator Wrench
409-3004



Poly Axial Screw Adjustable Driver
409-0813



Extending Tube Holder
409-1405



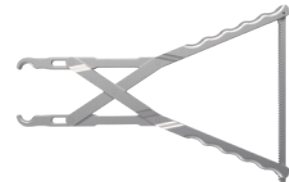
Extending Tube
409-1403



Counter Handle
409-1404



Hex Nut Screw Driver
409-0829F



Compressor
409-0901B



5mm Hex Set Screw Driver
409-0829



T-Handle
406-0101A



Torque Wrench 12N-m
line to line 406-0107A
406-0107



Set Screw Holder
5mm Hex Screw Driver 409-0829K
5mm Hex Set Screw Holder 409-0815A
5mm Hex Simple Screw Holder 409-0815B



Ratchet Handle
Straight 406-0103
T 406-0103A
Round 406-0103D

Please refer to the use of indication stated in the manual of the ReBorn Essence® NOVA Minimally Invasive System.

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