



RETRACTOR MAKER

PRODUCT BROCHURE OF

Phantom ML MIS Lumbar Surgical Access System

CERTIFIED & APPROVED

✓ EN ISO 13485:2016 + A11:2021



ISO 9001:2015



EN ISO 7153-1:2016



cGMP Approved



SCCI Registered since 2023



SIMAP Approved since 2023

All procedures and processes follow FDA guidelines.

Donald Cameron



Phantom ML MIS Lumbar Surgical Access System

SKU RM-PML-1

\$3,999 USD

COMPONENT LIST

QUANTITY	COMPONENT	DIMENSIONS / DESCRIPTION
1	Straight Hook 40 mm	Specialized narrow retraction hook
1	Straight Hook 50 mm	Specialized narrow retraction hook
1	Straight Hook 60 mm	Specialized narrow retraction hook
1	Straight Hook 70 mm	Specialized narrow retraction hook
1	Straight Hook 80 mm	Specialized narrow retraction hook
1	Straight Hook 90 mm	Specialized narrow retraction hook
1	Straight Hook 100 mm	Specialized narrow retraction hook
1	T-Handle Pivot Control	Manual control handle for pivot adjustment
1	Rotatable Table Clamp	Anchors assembly to OR table side rail
1	Light Cable	Standard curve, 10 ft, non-sterile; transmits light from source to retractor
1	LED Light Source	Portable/tabletop illumination unit
1	Angled Articulating Arm	Rack clamp multi-jointed arm connecting clamp to frame
1	MIS Lumbar Base Pivoting Retractor	Top-load, 250 mm rack main structural base frame for lumbar access

QUANTITY	COMPONENT	DIMENSIONS / DESCRIPTION
1	Rack Connector	Connects auxiliary racks to main frame
1	Pivoting Center Blade Holder	Top-load, 130 mm rack; holds central blade with pivoting control
1	Counter Pivoting Step Over Retractor	Side-load, Sure-Lock, 225 mm rack counter-retraction arm for lateral stability
1 Pair	Beveled Blades (Pair) 22 × 50 mm	Paired retractor blades with beveled tips
1 Pair	Beveled Blades (Pair) 22 × 60 mm	Paired retractor blades with beveled tips
1 Pair	Beveled Blades (Pair) 22 × 70 mm	Paired retractor blades with beveled tips
1 Pair	Beveled Blades (Pair) 22 × 80 mm	Paired retractor blades with beveled tips
1 Pair	Beveled Blades (Pair) 22 × 90 mm	Paired retractor blades with beveled tips
1 Pair	Beveled Blades (Pair) 22 × 100 mm	Paired retractor blades with beveled tips
1 Pair	Beveled Blades (Pair) 22 × 110 mm	Paired retractor blades with beveled tips
1 Pair	Beveled Blades (Pair) 22 × 120 mm	Paired retractor blades with beveled tips
1	Short Tooth Counter Blade 14 × 40 mm	Counter blade with short gripping teeth
1	Short Tooth Counter Blade 14 × 50 mm	Counter blade with short gripping teeth
1	Short Tooth Counter Blade 14 × 60 mm	Counter blade with short gripping teeth
1	Short Tooth Counter Blade 14 × 70 mm	Counter blade with short gripping teeth
1	Short Tooth Counter Blade 14 × 80 mm	Counter blade with short gripping teeth
1	Short Tooth Counter Blade 14 × 90 mm	Counter blade with short gripping teeth
1	Short Tooth Counter Blade 14 × 100 mm	Counter blade with short gripping teeth
1	Short Tooth Counter Blade 14 × 110 mm	Counter blade with short gripping teeth
1	Short Tooth Counter Blade 14 × 120 mm	Counter blade with short gripping teeth
1	Short Tooth Fan Blade 18 × 50 mm	Distal expanding fan blade with short teeth
1	Short Tooth Fan Blade 18 × 60 mm	Distal expanding fan blade with short teeth
2	Short Tooth Fan Blade 18 × 70 mm	Distal expanding fan blade with short teeth
2	Short Tooth Fan Blade 18 × 80 mm	Distal expanding fan blade with short teeth
2	Short Tooth Fan Blade 18 × 90 mm	Distal expanding fan blade with short teeth

QUANTITY	COMPONENT	DIMENSIONS / DESCRIPTION
2	Short Tooth Fan Blade 18 × 100 mm	Distal expanding fan blade with short teeth
2	Short Tooth Fan Blade 18 × 110 mm	Distal expanding fan blade with short teeth
2	Short Tooth Fan Blade 18 × 120 mm	Distal expanding fan blade with short teeth
1	Dilator 8 mm	Sequential tissue dilation instrument
1	Dilator 13 mm	Sequential tissue dilation instrument
1	Dilator 18 mm	Sequential tissue dilation instrument
1	Dilator 22 mm	Sequential tissue dilation instrument
1	Obturator 18 mm	Initial insertion and guidance instrument
1	Obturator 22 mm	Initial insertion and guidance instrument
1	Sterilization Box	Storage container for organizing and reprocessing

PRODUCT DESCRIPTION

The Phantom ML MIS Lumbar Surgical Access System is an advanced, table-mounted minimally invasive spine platform engineered to provide customizable, illuminated retraction corridors during posterior lumbar decompressions and fusions. By utilizing serial dilation coupled with top-loading pivoting blade mechanics, this system maximizes operative visibility at the disc space while minimizing cranial-caudal skin incisions and paraspinal muscle denervation.

Designed for procedural adaptability, the Phantom ML MIS Lumbar Surgical Access System includes a heavy-duty rotatable table clamp, an angled articulating arm, a 250 mm top-load pivoting retractor base, a 130 mm pivoting center blade holder, and a 225 mm side-load step-over retractor. The system incorporates an integrated tabletop LED light source with a 10 ft fiber-optic cable, 4 sequential dilators (8 mm to 22 mm), 2 guide obturators, 7 straight hooks, 8 beveled blade pairs (50–120 mm), 9 short-tooth counter blades (40–120 mm), and 14 short-tooth fan blades (50–120 mm) that expand distally.

Machined from Premium Grade AISI 304/316 Stainless Steel (Non-Magnetic) and high-tensile alloys with an anti-glare satin finish, Retractor Maker supplies the complete Phantom ML MIS Lumbar Surgical Access System non-sterile and fully autoclavable inside a heavy-duty aluminum sterilization container with dedicated organizing racks.



THANK YOU

We look forward to discussing your surgical retractor requirements.

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