

Platinum is anything but standard

Resection performance others pursue

Smith+Nephew

DYONICS◊
PLATINUM
Blades



DYONICS◊ PLATINUM resection technology

The aim of the DYONICS arthroscopic resection portfolio is to make work simpler for arthroscopists by providing surgical solutions that efficiently resect tissue and/or bone*[1] and that effectively navigate tight and hard-to-reach locations*[2] throughout the case.

DYONICS PLATINUM blades are designed to improve quality of resection with low clogging and low risk of metal debris.[2-6] They provide efficient resection which may minimize patient time under anesthesia.[1]

DYONICS PLATINUM Technology and Performance

Tight clearance between inner and outer blade tips designed for precise tissue resection and minimal clogging

Fortified alloy is designed to provide durable performance and a low risk of metal debris generation

SURILLIUM™ Coating designed to reduce blade friction and helps retain sharpness throughout a procedure





30-day Satisfaction Guarantee

If you are not satisfied with PLATINUM blades for any reason, return the unused portion of your order for a credit towards another Smith+Nephew blade.

Credit and return goods authorization must be requested within 30 days. Available in selected countries, please check your local market.

*Please refer to the below product descriptions for details



DYONICS◊ PLATINUM FLYER◊ Shaver Blade

Challenge the limits

- Easily accesses tight joint spaces[2]
- Shown to minimize potential for damage to surrounding tissues during insertion and removal*[2]
- Unique window designed to maximize resection rate and limit clogging

✚ Access

Tapered tip facilitates easy access to tight joint spaces[2]

✚ Assess

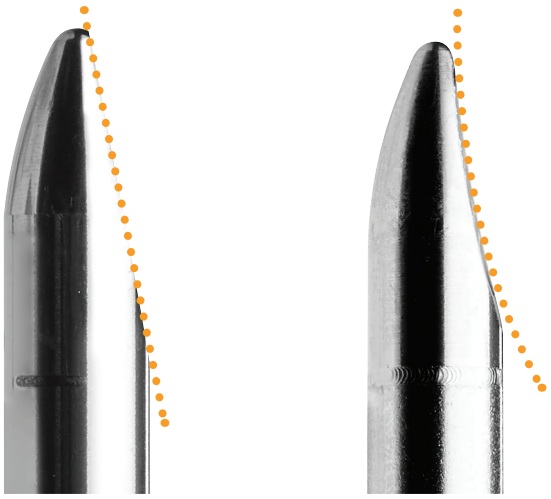
Tip design allows tissue manipulation to help with a thorough diagnosis

✚ Address

Window design coupled with DYONICS PLATINUM technology allows for completion of meniscectomy

78%
less metal debris than Arthrex™ 4.0mm Torpedo during soft tissue resection†[6]

Typical Procedural Use:	Objectives:
▪ Posterior meniscus resection	▪ Use tapered tip to easily access and manipulate meniscus in the posterior aspect of the knee
▪ Other meniscus cleanup	▪ Address a variety of meniscal resection needs using unique window shape



Competitor | DYONICS 4.0mm PLATINUM FLYER

Concave cut design increases window area up to 57% vs straight cut design[7]

*n=8 †As demonstrated in bench-top testing at maximum settings.

DYONICS◊ PLATINUM Blades

Specialized solutions for clinical challenges in shoulder and knee procedures

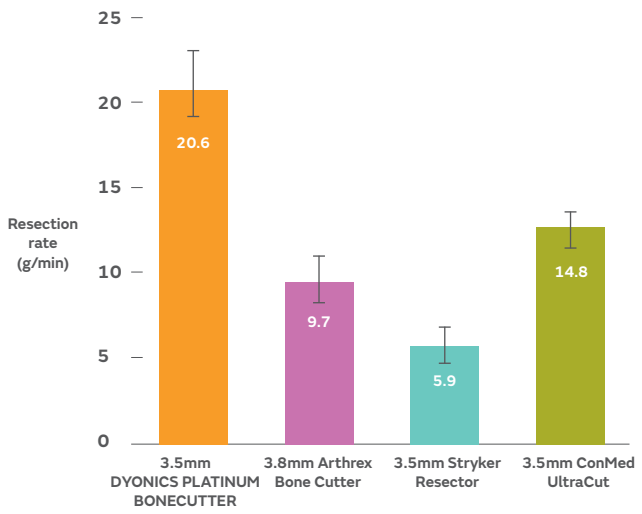


BONECUTTER◊ PLATINUM Blades

Multitask more efficiently[8,9]

- Resects both soft tissue and bone with a single blade, eliminating the need for a burr[1]
- Ability to run at 10,000 rpm combined with greater torque than the POWERMAX◊ ELITE, the PLATINUM Handpiece allows for aggressive and controllable bone resection[*11]

SOFT TISSUE RESECTION RATES[†4]



112% faster soft tissue resection rate than 3.8mm Arthrex Bone Cutter[†4]

Typical Procedural Use:	Objectives:
▪ Subacromial decompression	▪ Stop acromial impingement; clear obstructing bursa; debride frayed rotator cuff
▪ Anterior cruciate ligament reconstruction	▪ Remove ACL stump; prepare notch; clear field of tissue

*Working range of 4,000-10,000 rpm

†As demonstrated ex vivo at maximum settings for 3.5mm DYONICS PLATINUM BONECUTTER. Tested against various competitor blades

INCISOR◊ Plus PLATINUM Blades

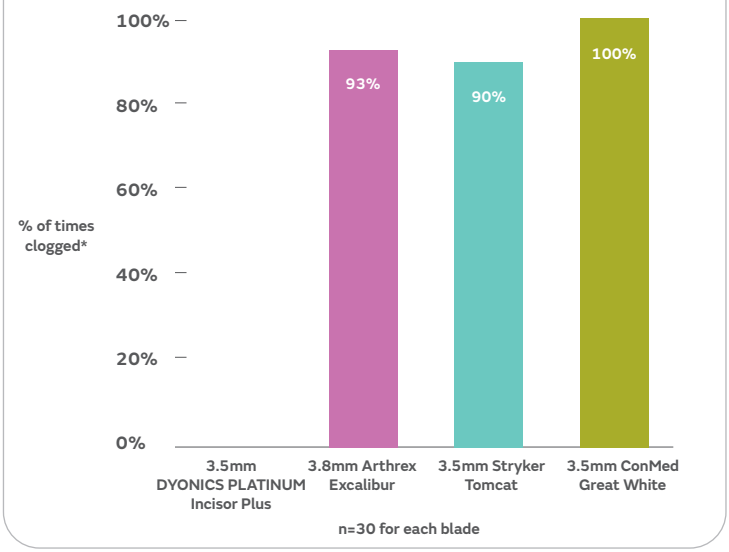
Take a bite out of inefficiency

- Tooth-to-tooth design to allow for an aggressive and efficient cut.
- Soft-tissue resection rate was significantly ($p<0.05$) higher than leading competitive blades and had less clogging*†4,12



0% blades clogged†5

CLOGGING RATES*4





66% FASTER resection rate than 3.8mm Arthrex Excalibur†4

Typical Procedural Use:	Objectives:
▪ Rotator Cuff	▪ Remove frayed/degenerated rotator cuff
▪ Anterior cruciate ligament reconstruction	▪ Remove ACL stump; clear field of tissue

*As demonstrated ex vivo at maximum settings
†3.5mm PLATINUM INCISOR Plus; As demonstrated in cadaveric study, n=8 surgeons
Tested against various competitor blades



SYNOVATOR◊ PLATINUM Blades

Protect what you don't resect

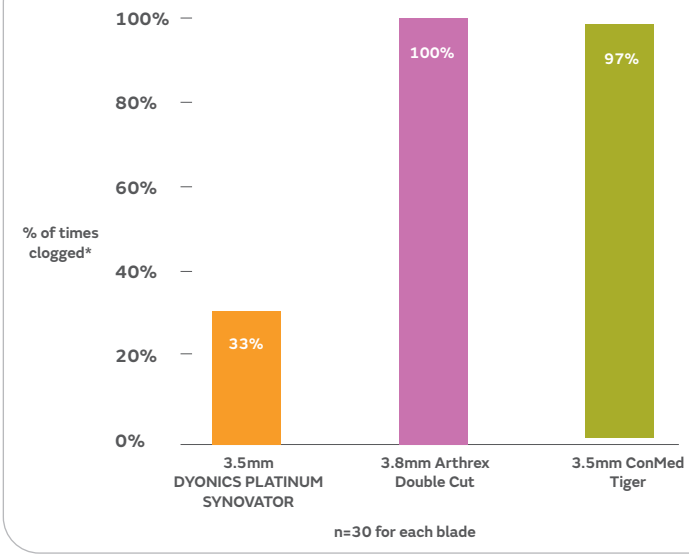
- Dual inner cutting windows designed to facilitate shallow cuts for focused resection
- Soft-tissue resection rate outperformed leading competitive blades*[4,12] and had less clogging†[4]

67%
lower incidence of clogs than 3.8mm Arthrex Double Cut*[4]

65% FASTER
resection rate than 3.8mm Arthrex Double Cut*[4]

Typical Procedural Use:	Objectives:
• Meniscectomy	• Remove torn tissue; stabilize meniscal rim
• Synovectomy	• Full or partial excision of synovial membrane

CLOGGING RATES*[4]



*As demonstrated ex vivo at maximum settings
†PLATINUM SYNOVATOR 3.5mm blade. Tested against various competitor blades



Full radius DYONICS PLATINUM Blades

Resect and protect with one blade

- Combines a wide cutting window with toothed inner blade and smooth outer blade
- Oval window and smooth outer edge designed to draw in large volumes of tissue while avoiding damage to surrounding areas

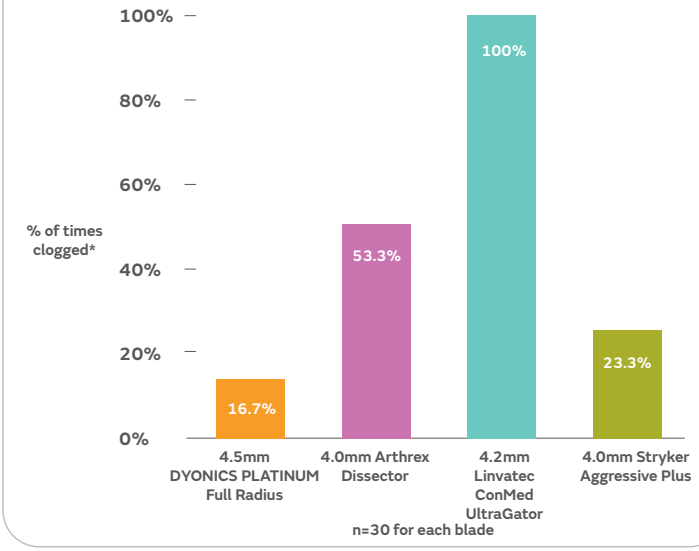


35% FASTER

resection rate than 4.0mm Arthrex Dissector†9

Typical Procedural Use:	Objectives:
▪ Subacromial Decompression	▪ Grab and resect frayed tissue under the acromion; clear obstructing bursa
▪ Anterior Cruciate Ligament Reconstruction	▪ Remove ACL stump; graft; clear field of tissue

CLOGGING RATES†9



*Tested against various competitor blades
†In bench top testing

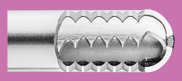
Solution offering

Smith and Nephew DYONICS ELITE burrs for knee and shoulder arthroscopy procedures complement our PLATINUM Blades.

ELITE burrs run at 10,000 rpm, the fasted speed available on our DYONICS II POWER Controller

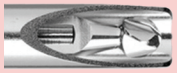
Aggressive

Gentle

Blade style		3.5mm	4.00mm	4.5mm	4.5mm Curved	5.5mm
BONECUTTER◊ PLATINUM		•		•		•
INCISOR◊ Plus PLATINUM		•		•	•	•
Full Radius PLATINUM				•		•
SYNOVATOR◊ PLATINUM		•		•	•	•
PLATINUM FLYER◊			•			

Aggressive

Gentle

Burr style		4.0mm	5.5mm
STONECUTTER ELITE		•	•
ACROMIOBLASTER◊ ELITE		•	•
NOTCHBLASTER◊ ELITE		•	•
ACROMIONIZER ELITE		•	•
ABRADER ELITE		•	•

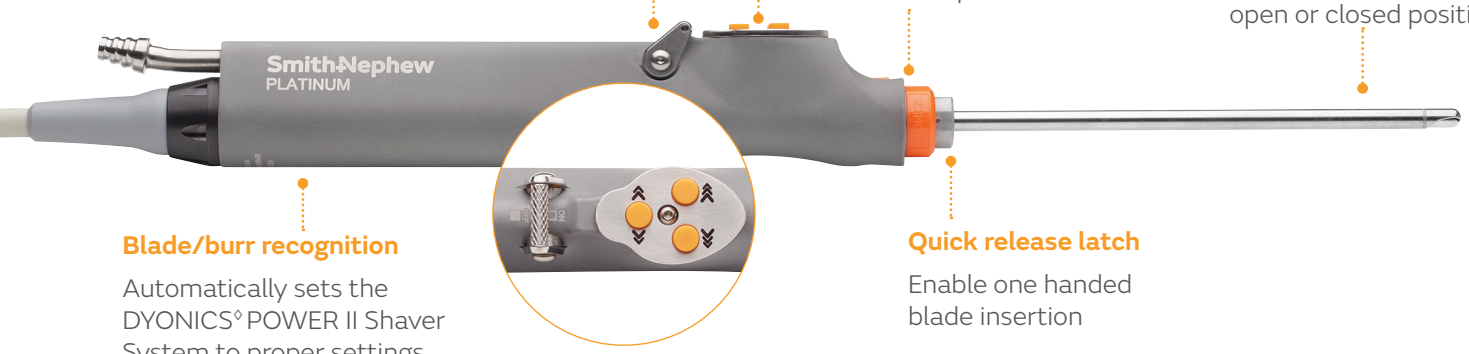
The HELICUT Burr is uniquely designed for resecting soft tissue and bone, eliminating the need for a separate blade and burr.

Burr style		4.0mm	5.5mm
HELICUT		•	•

PLATINUM Handpiece

Shaped for performance

- Ergonomically designed with surgeon comfort in mind
- Facilitates the removal of dense bone and tissue in large joints
- Features improved torque between the working range of 4,000-10,000 RPM, when compared to the DYONICS◊ POWERMAX◊ ELITE Shaver System[11]



Suction lever

Provides immediate manual control of suction rate

Speed shift

Unique feature for changing the speed setting

Dual slots

Allow blade to face up or down

Window Lock feature

Allows the surgeon to stop the blade in an open or closed position

Blade/burr recognition

Automatically sets the DYONICS◊ POWER II Shaver System to proper settings

Button and suction lever

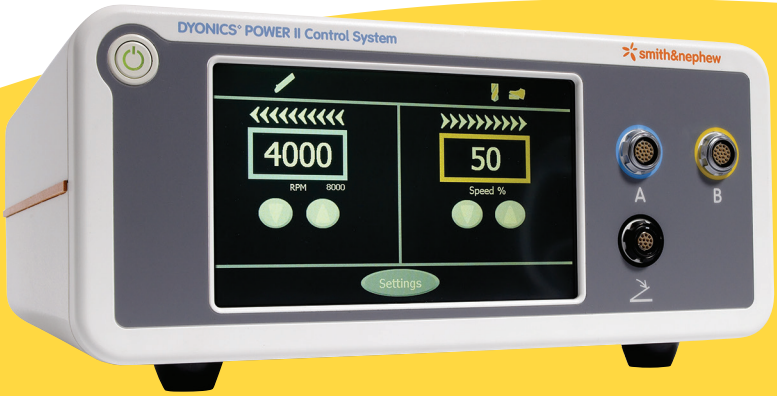
Conveniently located for ease of use

Quick release latch

Enable one handed blade insertion

DYONICS POWER II Shaver Control System

The high-performance DYONICS POWER II Shaver Control Unit offers two unique, customizable oscillate modes for efficient soft tissue resection; dual hot ports for simultaneous shaver and powered instrument operation; and an integrated flush lavage feature to clear the visual field of debris.







Ordering information

Reference #	Description
DYONICS◊ PLATINUM Blades	
BONECUTTER◊ PLATINUM Blades	
72205108	3.5mm BONECUTTER PLATINUM
72202530	5.5mm BONECUTTER PLATINUM
72202531	4.5mm BONECUTTER PLATINUM
INCISOR◊ Plus PLATINUM Blades	
72205106	3.5mm INCISOR Plus PLATINUM
72203013	4.5mm INCISOR Plus PLATINUM
72205109	4.5mm Curved INCISOR Plus PLATINUM
72203519	5.5mm INCISOR Plus PLATINUM
SYNOVATOR◊ PLATINUM Blades	
72205107	3.5mm SYNOVATOR PLATINUM
72203523	4.5mm SYNOVATOR PLATINUM
72205110	4.5mm Curved SYNOVATOR PLATINUM
72203524	5.5mm SYNOVATOR PLATINUM
DYONICS Full Radius PLATINUM Blades	
72203521	4.5mm Full Radius PLATINUM
72203522	5.5mm Full Radius PLATINUM
DYONICS FLYER Blades	
72205292	4.0mm FLYER PLATINUM

Reference #	Description
DYONICS ELITE Burrs	
ABRADER ELITE Burrs	
72200722	4.0mm ABRADER ELITE
72200723	5.5mm ABRADER ELITE
ACROMIONIZER ELITE Burrs	
72200724	4.0mm ACROMIONIZER ELITE
72200725	5.5mm ACROMIONIZER ELITE
ACROMIOBLASTER◊ ELITE Burrs	
72200730	4.0mm ACROMIOBLASTER ELITE
72200731	5.5mm ACROMIOBLASTER ELITE
STONECUTTER ELITE Burrs	
72200728	4.0mm STONECUTTER ELITE
72200729	5.5mm STONECUTTER ELITE
HELICUT◊ Burrs	
7205727	4.5mm HELICUT
NOTCHBLASTER◊ ELITE Burrs	
72200726	4.0mm NOTCHBLASTER ELITE
72200727	5.5mm NOTCHBLASTER ELITE

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References

1. Smith+Nephew 2021.The efficient resection of the DYONICS PLATINUM Blades: Evidence Evaluation. Internal Report. EO.SPM.PCS031.001.v1. **2.** S+N 2020. Design Validation Testing, 4.0mm Platinum Flyer Blade 15009195 Rev.A. **3.** S+N report 15001096 **4.** S+N 2019. Competitive Testing, 3.5 mm Platinum Blades. Internal Report. 15007992 Rev A. **5.** S+N Validation report 15007707 06/19 **6.** Smith+Nephew 2020. Competitive Testing, 4.0 mm Flyer Blade 15009376 Rev.A. **7.** S+N Design history file 27500477 **8.** S+N Validation report 15000784 **9.** Smith+Nephew 2017. Competitive Testing, Platinum Blades 15005165 Rev. A **10.** Smith+Nephew 2021. The efficient resection of the DYONICS PLATINUM Blades: Evidence Evaluation. Internal Report. EO.SPM.PCS031.001.v1. **11.** Smith+Nephew 2021.Protocol, Claims, PLATINUM MDU- Torque. Internal Report. 15011440 Rev A. **12.** Smith+Nephew 2018.Competitive Testing, 4.5 mm Curved Platinum. Internal Report. 15007991 Rev A.