



+ Platinum is anything but standard

Resection performance others pursue

DYONICS[◇]
PLATINUM
Blades

Smith+Nephew



DYONICS[◇] PLATINUM resection solution

The aim of the DYONICS arthroscopic resection portfolio is to make work simpler for arthroscopists by providing surgical solutions that efficiently resect tissue and bone and that effectively navigate tight and hard-to-reach locations^{1,2,3} case after case.

DYONICS PLATINUM blades deliver faster resection, less clogging and low risk of debris generation, when compared to competitive devices.^{1,2,3,4} By increasing speed* and quality of resection, DYONICS PLATINUM blades may help arthroscopists operate efficiently and reduce patient time under anesthesia.

DYONICS PLATINUM Technology and Performance



Tight clearance between inner and outer blade tips designed for precise cutting for aggressive resection and efficient debris evacuation



Fortified alloy delivers consistently durable performance and low risk of metal debris generation



SURILLIUM™ Coating designed to reduce blade friction and helps retain sharpness throughout a procedure²



*When compared to competitive devices



DYONICS[®] PLATINUM FLYER Shaver Blade

Challenge the limits

- Easily accesses tight joint spaces¹
- Minimizes potential for damage to surrounding tissues during insertion and removal^{1*}
- Unique window designed to maximize resection rate and limit clogging

+ Access

Tapered tip facilitates easy access to tight joint spaces

+ Assess

Tip design allows tissue manipulation for 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^{8**}

Typical Procedural Use:

- Posterior meniscus resection
- Other meniscus cleanup

Objectives:

- Use tapered tip to easily access and manipulate meniscus in the posterior aspect of the knee
- 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 design⁹

*n=8 **As demonstrated in bench-top testing at maximum settings. n=29

DYONICS[◇] PLATINUM Blades

Specialized solutions for clinical challenges in shoulder and knee procedures

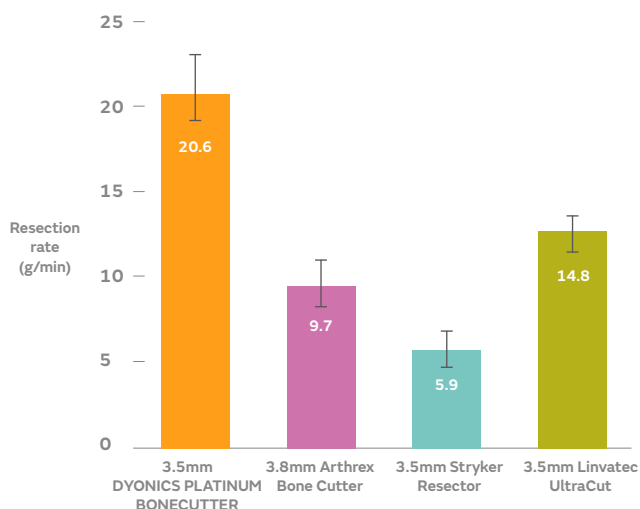
BONECUTTER[◇] PLATINUM Blades

Multitask more efficiently^{6,7}

- Resects both soft tissue and bone with a single blade³, eliminating the need for a burr
- Ability to run at 10,000rpm combined with high-torque, POWERMAX[◇] ELITE Shaver allows for aggressive and controllable bone resection



SOFT TISSUE RESECTION RATES^{3*}



112% faster
soft tissue resection
rate than 3.8mm
Arthrex Bone Cutter³

Typical Procedural Use:

- Subacromial decompression
- Anterior cruciate ligament reconstruction

Objectives:

- Stop acromial impingement; clear obstructing bursa; debride frayed rotator cuff
- Remove ACL stump; prepare notch; clear field of tissue

*In bench-top testing

INCISOR[®] Plus PLATINUM Blades

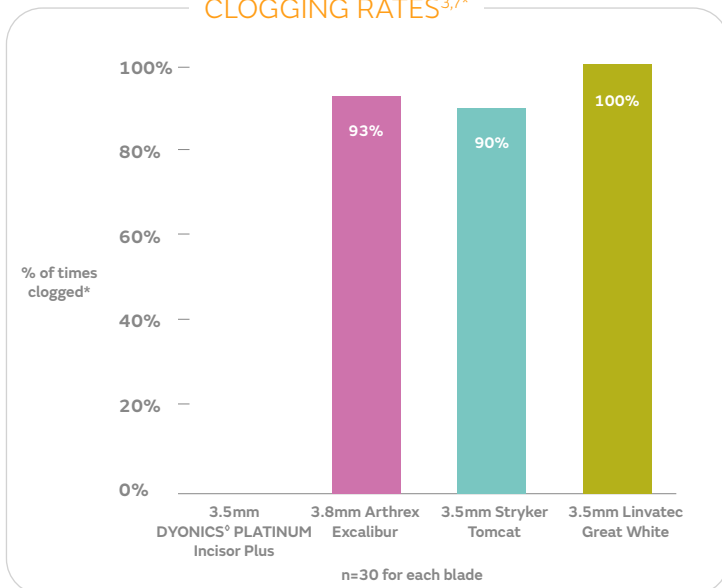
Take a bite out of inefficiency

- Precision-sharpened, tooth-to-tooth design to allow for an aggressive and efficient cut^{1,2,7-10}
- Soft-tissue resection rate was significantly ($p < 0.05$) higher than leading competitive blades and had less clogging^{2,4}



0% blades clogged³

CLOGGING RATES^{3,7*}



66% FASTER resection rate than 3.8mm Arthrex Excalibur^{3,7*}

Typical Procedural Use:

- Rotator Cuff
- Anterior cruciate ligament reconstruction

Objectives:

- Remove frayed/degenerated rotator cuff
- Remove ACL stump; clear field of tissue

*In bench-top testing for 3.5mm PLATINUM INCISOR Plus



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 a leading competitive blades⁶ and had less clogging^{4*}

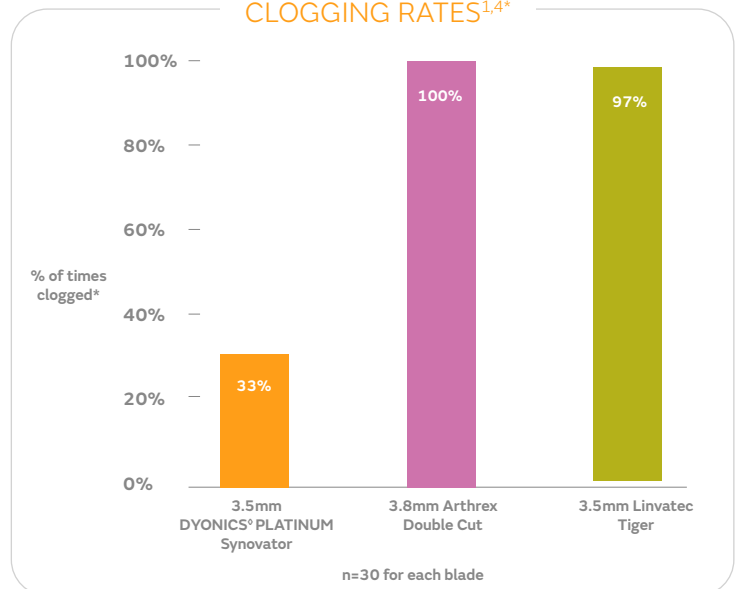


67%
lower incidence
of clogs than
3.8mm Arthrex
Double Cut^{3,7*}

65% FASTER
resection rate than
3.8mm Arthrex
Double Cut^{3*}



CLOGGING RATES^{14*}



Typical Procedural Use:

- Meniscectomy
- Synovectomy

Objectives:

- Remove torn tissue; stabilize meniscal rim
- Full or partial excision of synovial membrane

*In bench-top testing



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 Dissector⁷

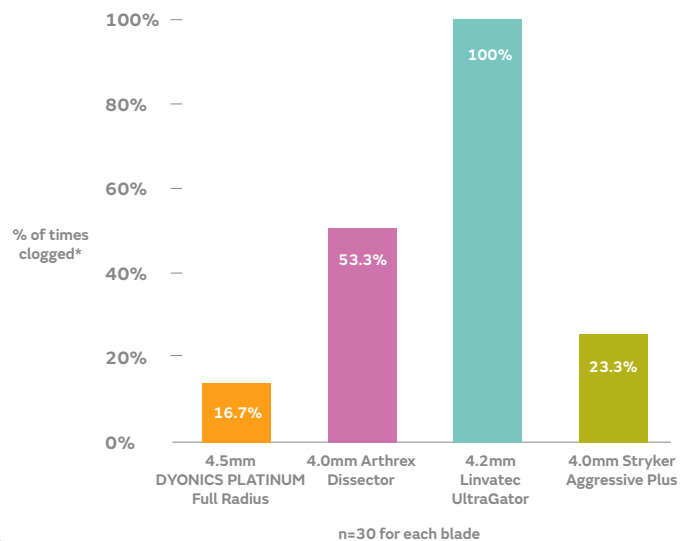
Typical Procedural Use:

- Subacromial Decompression
- Anterior Cruciate Ligament Reconstruction

Objectives:



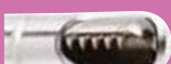
- Grab and resect frayed tissue under the acromion; clear obstructing bursa
- Remove ACL stump; graft; clear field of tissue

CLOGGING RATES⁵









*In bench-top testing

Solution offering

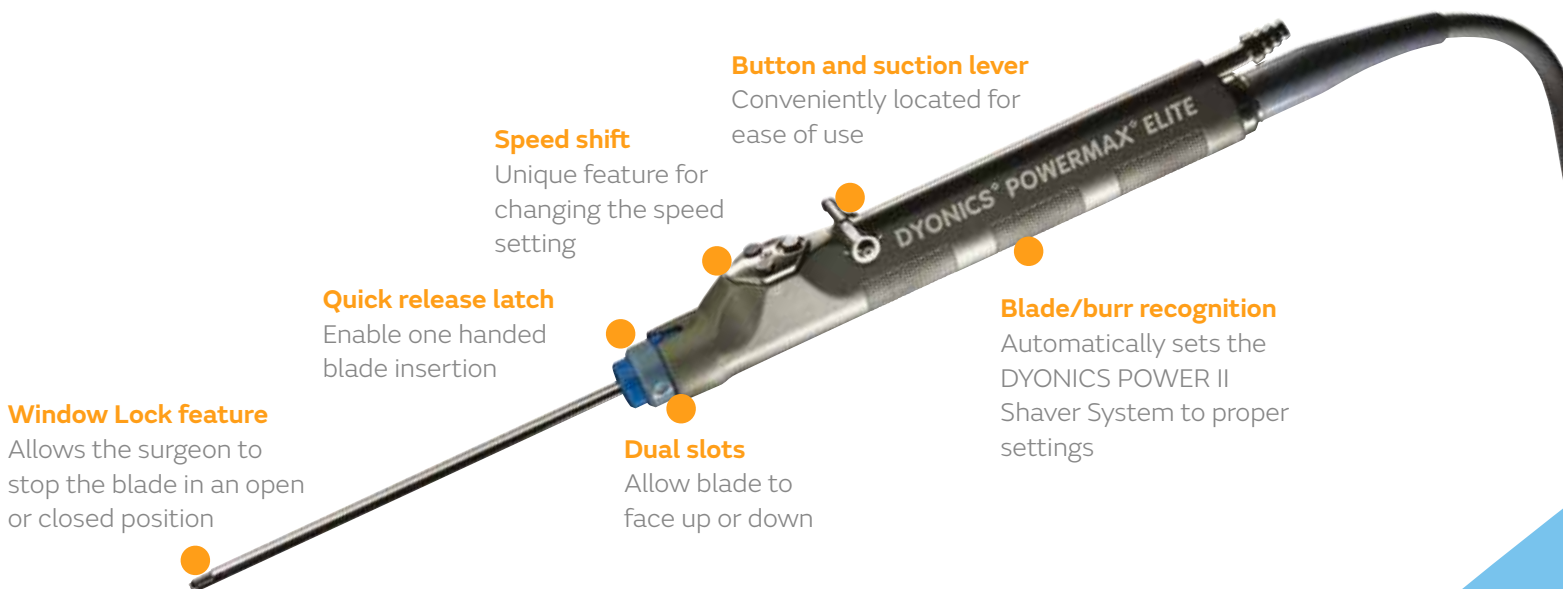
| | | Blade style | 3.5mm | 4.5mm | 4.5mm Curved | 5.5mm | |
|--|--|------------------------------------|---|-------|--------------|-------|---|
| Aggressive   Gentle | | BONECUTTER [◊] PLATINUM |  | • | • | • | |
| | | INCISOR [◊] Plus PLATINUM |  | • | • | • | • |
| | | Full Radius PLATINUM |  | | • | | • |
| | | SYNOVATOR [◊] PLATINUM |  | • | • | • | • |



| | | Burr style | 4.0mm | 5.5mm | |
|--|--|-----------------------------------|---|-------|---|
| Aggressive   Gentle | | STONECUTTER ELITE |  | • | • |
| | | ACROMIOBLASTER [◊] ELITE |  | • | • |
| | | ACROMIONIZER ELITE |  | • | • |
| | | ABRADER ELITE |  | • | • |

DYONICS[®] POWERMAX[®] ELITE handpiece

- Combination of high torque and speed with a lightweight design
- Responds quickly to variations in tissue and bone
- Easy access to controls and suction lever



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 rapidly clear the visual field of debris.





Ordering information

| DYONICS [®] PLATINUM Blades | |
|---|------------------------------------|
| Reference # | Description |
| 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 | 4.0 FLYER PLATINUM |

| DYONICS ELITE Burrs | |
|---|----------------------------|
| Reference # | Description |
| 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 |

Learn more at smith-nephew.com

Sports Medicine
Smith & Nephew, Inc.
150 Minuteman Road
Andover, MA 01810

www.smith-nephew.com
T +978 749 1000
US Customer Service:
+1 800 343 5717

[®]Trademark of Smith+Nephew.
All trademarks acknowledged.
©2020 Smith+Nephew. All rights reserved. Printed in USA. 25648 V1 07/20

References

1. S+N 2020. Design Validation Testing, 4.0mm Platinum Flyer Blade 15009195 Rev.A. **2.** S+N report 15001096 **3.** S+N Competitive testing report 15007992 05/19 **4.** S+N Validation report 15007707 06/19 **5.** S+N Competitive testing report 15007991 10/18 **6.** S+N Validation report 15000784 **7.** S+N Competitive testing report 15005165 01/17 **8.** S+N Competitive testing report 15009376 Rev. A. **9.** S+N Design history file 27500477 **10.** S+N Evaluation protocol 15001154 05/11 **11.** S+N Evaluation protocol 15001343 03/12 **12.** S+N Testing protocol 15007708 10/18