



# + Platinum is anything but standard

Resection performance others pursue

DYONICS<sup>◇</sup>  
PLATINUM  
Blades

**Smith+Nephew**



# DYONICS<sup>◇</sup> 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<sup>1,2,3</sup> case after case.

DYONICS PLATINUM blades deliver faster resection, less clogging and low risk of debris generation, when compared to competitive devices.<sup>1,2,3,4</sup> 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



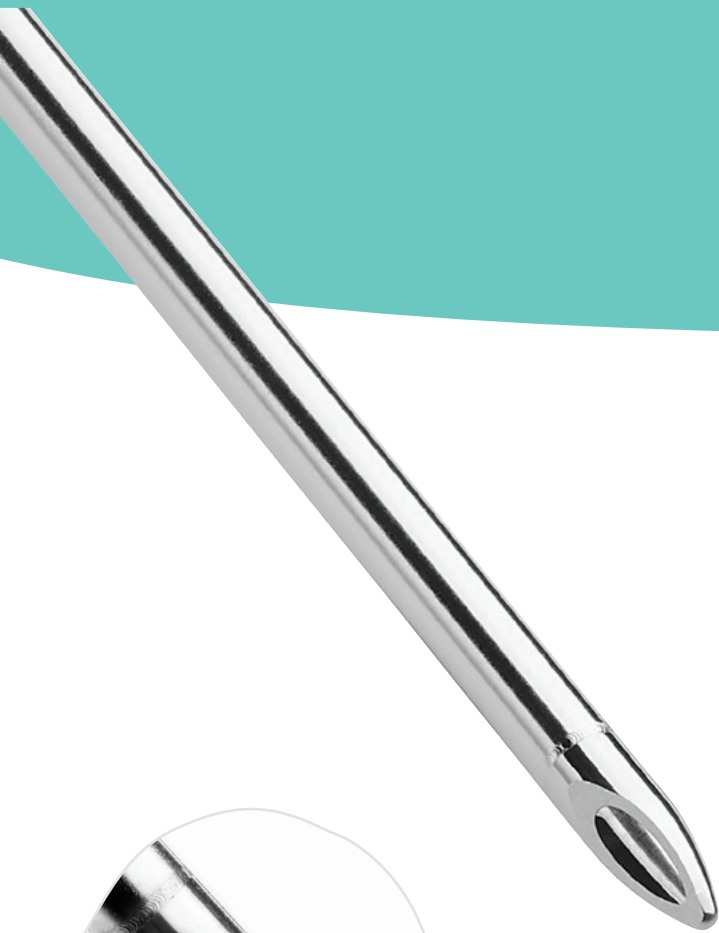
**Fortified alloy** delivers consistently durable performance and low risk of metal debris generation



**SURILLIUM™ Coating** designed to reduce blade friction and helps retain sharpness throughout a procedure<sup>2</sup>



\*When compared to competitive devices



## DYONICS<sup>®</sup> PLATINUM FLYER Shaver Blade

Challenge the limits

- Easily accesses tight joint spaces<sup>1</sup>
- Minimises potential for damage to surrounding tissues during insertion and removal<sup>1</sup>
- Unique window designed to maximise 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<sup>®</sup> 4.0mm  
Torpedo during soft  
tissue resection<sup>8\*\*</sup>

#### 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 design<sup>9</sup>

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

# DYONICS<sup>◇</sup> PLATINUM Blades

Specialised solutions for clinical challenges in shoulder and knee procedures

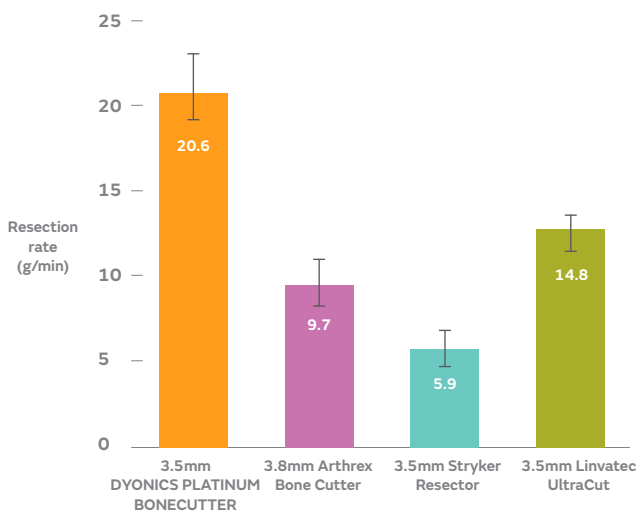
## BONECUTTER<sup>◇</sup> PLATINUM Blades

Multitask more efficiently<sup>6,7</sup>

- Resects both soft tissue and bone with a single blade<sup>3</sup>, eliminating the need for a burr
- Ability to run at 10,000rpm combined with high-torque, POWERMAX<sup>◇</sup> ELITE Shaver allows for aggressive and controllable bone resection



SOFT TISSUE RESECTION RATES<sup>3\*</sup>



**112% faster**  
soft tissue resection  
rate than 3.8mm  
Arthrex Bone Cutter<sup>3</sup>

### 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<sup>o</sup> Plus PLATINUM Blades

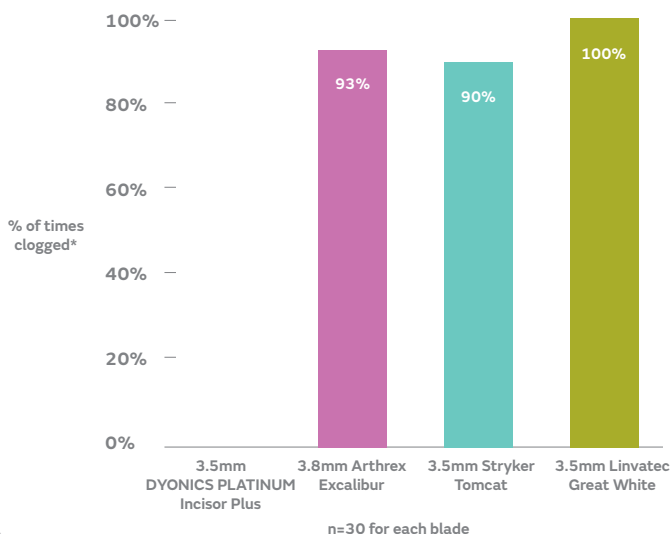
Take a bite out of inefficiency

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



0% blades clogged<sup>3</sup>

CLOGGING RATES<sup>3,7\*</sup>



**66% FASTER** resection rate than 3.8mm Arthrex Excalibur<sup>3,7\*</sup>

### 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<sup>◇</sup> 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 blades<sup>6</sup> and had less clogging<sup>4\*</sup>

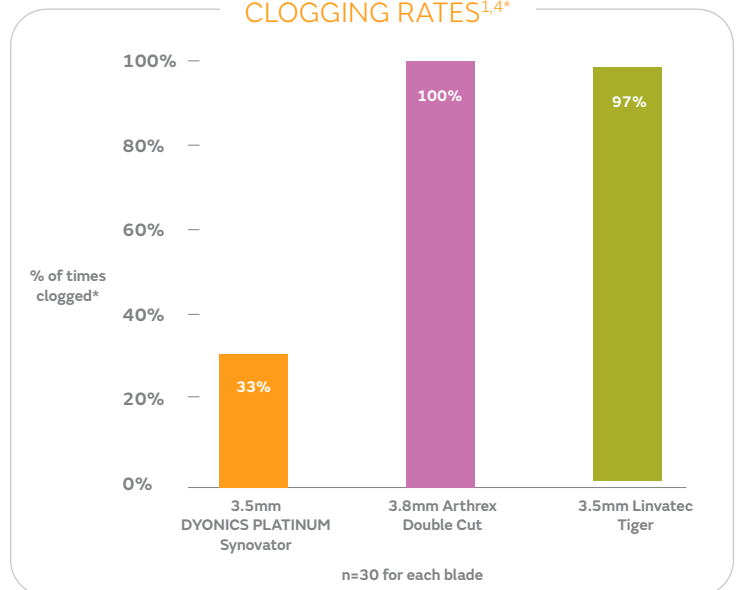


**67%**  
lower incidence  
of clogs than  
3.8mm Arthrex  
Double Cut<sup>3,7\*</sup>

**65% FASTER**  
resection rate than  
3.8mm Arthrex  
Double Cut<sup>3\*</sup>



CLOGGING RATES<sup>1,4\*</sup>



### Typical Procedural Use:

- Meniscectomy
- Synovectomy

### Objectives:

- Remove torn tissue; stabilise 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  
Dissector<sup>7</sup>

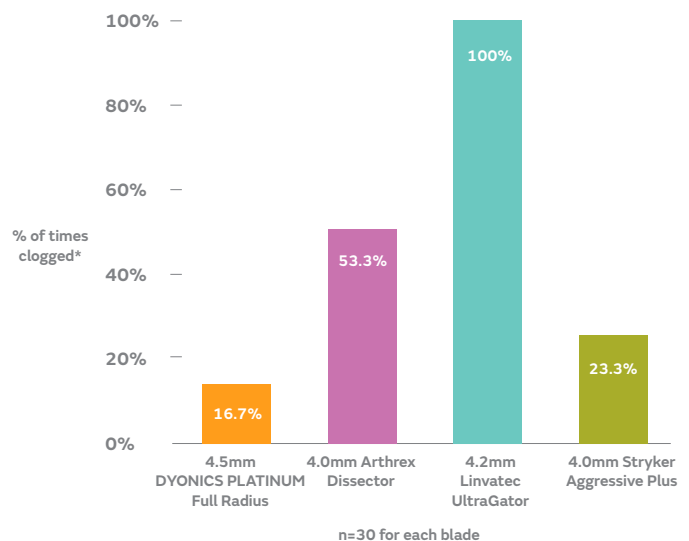
### Typical Procedural Use:

- 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 RATES<sup>5</sup>








\*In bench-top testing



# Solution offering

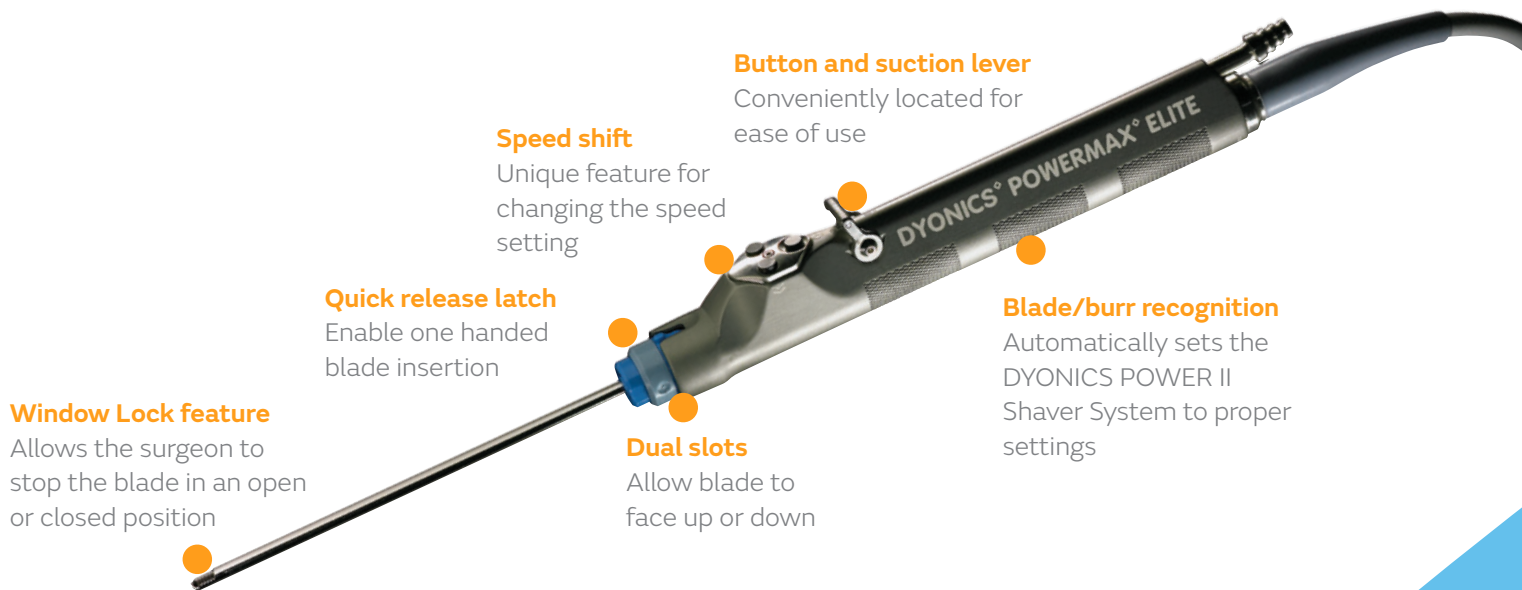
Blade style		3.5mm	4.5mm	4.5mm Curved	5.5mm
Aggressive  Gentle	BONECUTTER <sup>◊</sup> PLATINUM		•	•	•
	INCISOR <sup>◊</sup> Plus PLATINUM		•	•	•
	Full Radius PLATINUM			•	•
	SYNOVATOR <sup>◊</sup> PLATINUM		•	•	•



Burr style		4.0mm	5.5mm
Aggressive  Gentle	STONECUTTER ELITE		•
	ACROMIOBLASTER <sup>◊</sup> ELITE		•
	ACROMIONIZER ELITE		•
	ABRADER ELITE		•

## DYONICS<sup>®</sup> POWERMAX<sup>®</sup> 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, customisable 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 <sup>®</sup> PLATINUM Blades	
Reference #	Description
<b>BONECUTTER<sup>®</sup> PLATINUM Blades</b>	
72205108	3.5mm BONECUTTER PLATINUM
72202530	5.5mm BONECUTTER PLATINUM
72202531	4.5mm BONECUTTER PLATINUM
<b>INCISOR<sup>®</sup> Plus PLATINUM Blades</b>	
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
<b>SYNOVATOR<sup>®</sup> PLATINUM Blades</b>	
72205107	3.5mm SYNOVATOR PLATINUM
72203523	4.5mm SYNOVATOR PLATINUM
72205110	4.5mm Curved SYNOVATOR PLATINUM
72203524	5.5mm SYNOVATOR PLATINUM
<b>DYONICS Full Radius PLATINUM Blades</b>	
72203521	4.5mm Full Radius PLATINUM
72203522	5.5mm Full Radius PLATINUM
<b>DYONICS FLYER Blades</b>	
72205292	4.0 FLYER PLATINUM

DYONICS ELITE Burrs	
Reference #	Description
<b>ABRADER ELITE Burrs</b>	
72200722	4.0mm ABRADER ELITE
72200723	5.5mm ABRADER ELITE
<b>ACROMIONIZER ELITE Burrs</b>	
72200724	4.0mm ACROMIONIZER ELITE
72200725	5.5mm ACROMIONIZER ELITE
<b>ACROMIOBLASTER<sup>®</sup> ELITE Burrs</b>	
72200730	4.0mm ACROMIOBLASTER ELITE
72200731	5.5mm ACROMIOBLASTER ELITE
<b>STONECUTTER ELITE Burrs</b>	
72200728	4.0mm STONECUTTER ELITE
72200729	5.5mm STONECUTTER ELITE

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For detailed product information, including  
indications for use, contraindications, precautions  
and warnings, please consult the product's  
applicable Instructions for Use (IFU) prior to use.

## 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