

FMS VUE™ II FLUID MANAGEMENT & TISSUE DEBRIDEMENT SYSTEM

Differentiation that matters, so you can: Focus on the patient



FMS® TORNADO MICRO
SHAVER HANDPIECE



MINI BLADES & BURRS
XL BLADES & BURRS



FOOT PEDAL
FMS VUE™ SYSTEM

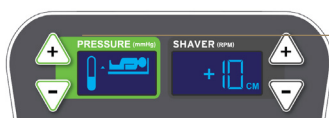
Latest UPDATES

The FMS VUE™ II System offers significant enhancements to in-joint pressure management and stability, with increases to resection efficiency and precision.

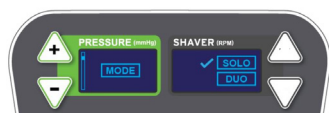
The following features have been updated in the FMS VUE™ II Fluid Management and Tissue Debridement System



JPEC Technology (Joint Pressure Estimate and Control) improves fluid management performance by accurately estimating the pressure in the joint and supporting a default setting of 70mmHg.¹



The addition of a Joint-to-Pump Elevation Interface minimizes errors caused by the effect of gravity when there is a difference in pump-to-joint elevation.



Configuring front panel defaults is now an option with the added feature of a Preset Menu.



Increasing the max shaver speed from 8,000 RPMs to 10,000 RPMs results in more efficient bone cutting.



The additional FLOW+™ Technology function provides a one minute flow cycle with a quick press of the button.



The improved Pinch Valve allows for a better tactile feel, clearly indicating open and closed positions.

1. Source: Test Report 103379617

FMS VUE II System

AS A FLUID MANAGEMENT PUMP

Clarity

- Maximizes and maintains optimal visualization
- BLOODSTOP™ Feature controls bleeding through a cycle of increase pressure and flow
- FLOW+ Technology clears debris while maintaining pressure. Now with a momentary press for a one minute cycle.

Consistency

- Quickly adapts to outflow surges to maintain pressure
- May reduce extravasation risk and costs of additional follow-up care²
- Inflow and outflow rates synchronize through one system

Control

- Decreases operative time versus inflow-only pumps²
- Ease of set-up with color-coded tube sets
- Supports inflow/outflow and inflow-only mode

Cost Savings

- Independent study validation of cost savings versus inflow-only pumps²
- Both dayset and single patient use tubing available
- Less saline usage versus inflow-only pumps²
- One capital unit footpedal to operate fluid management and shaver blades and burrs

² Venkat G, Moon YL, Na WC, So KY. Upper airway compromise by extravasated fluid: a rare complication after arthroscopic repair of atrophic cuff tear. Orthopedics 2009;32:776.; Rodosky MW. Fluid management systems for arthroscopy: a clinical perspective. Business Briefings: Global Surgery. 2004. pp 106-108. Accessed at <http://www.touchbriefings.com/> on 9/12/2011; Sieg R, Bear R, Machen MS, Owens BD. Comparison of operative times between pressure and flow-control pump versus pressure-control pump for ACL reconstruction. Orthopedics. 2009 Oct;32(10); Conner DM, Bansal M, Pachelli A. Cost analysis of switching from an in-flow only irrigation pump to an in-flow/out-flow fluid management system (FMS Duo). Abstracts presented at the 2012 Arthroscopy Association of North America Meeting, May 17-19; Orlando, Florida.



Accessories



FMS™ Connect Interface Cable (FMS VUE™ System)



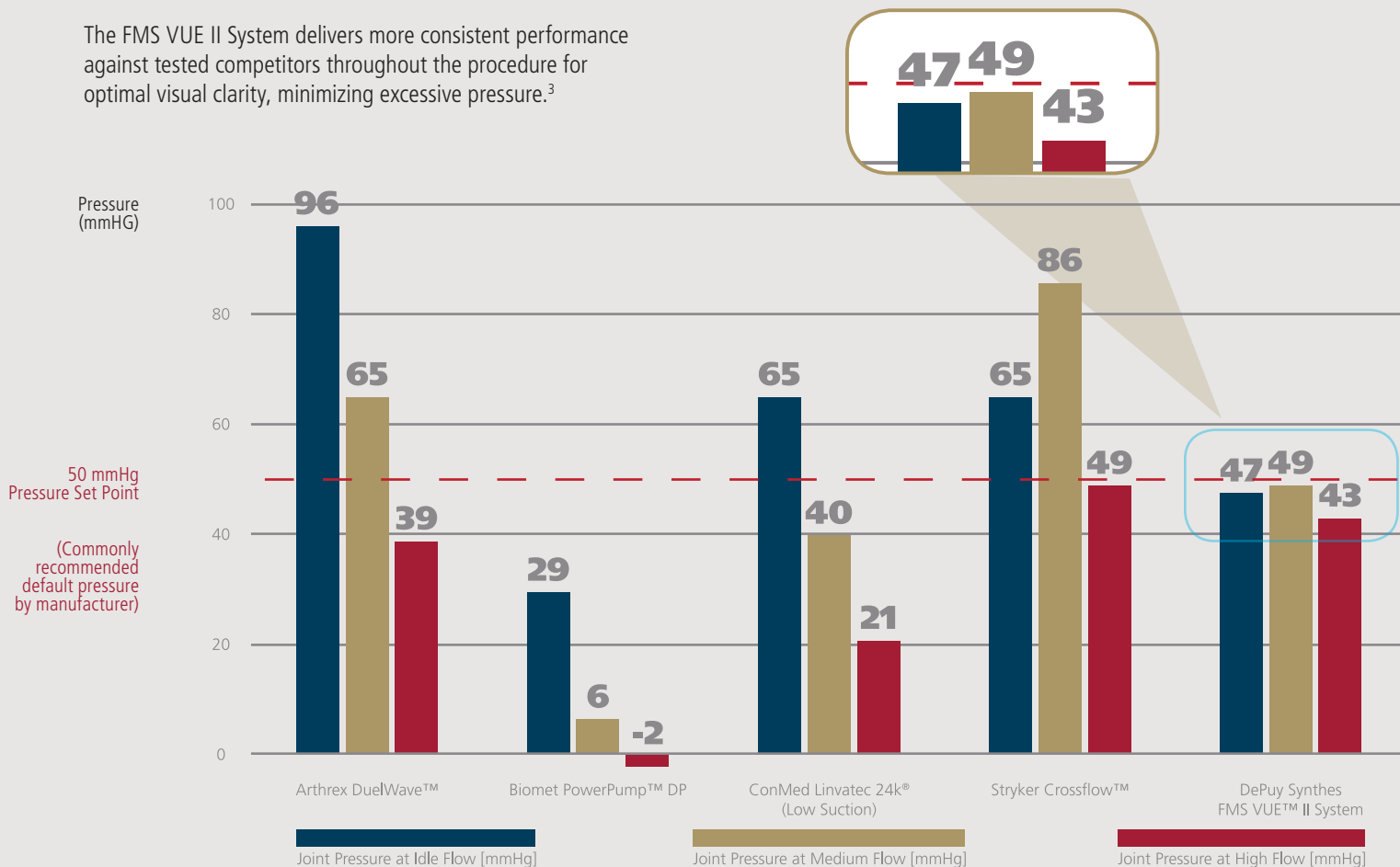
Remote Control FMS VUE System

FMS VUE II Performance

TEST DATA

What You See Is What You Get

The FMS VUE II System delivers more consistent performance against tested competitors throughout the procedure for optimal visual clarity, minimizing excessive pressure.³



Why Consistent Pressure Performance Matters

Important factors to achieve clear visibility without introducing excessive pressure*

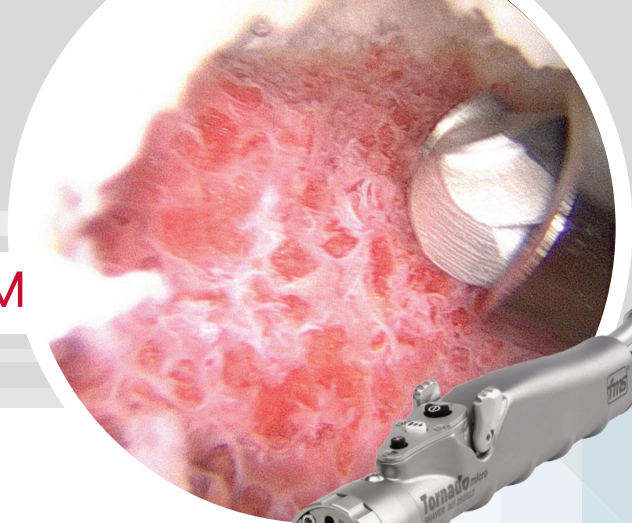
	Arthrex	Biomet	Conmed/ Linvatec	Stryker	DePuy Synthes
Maintaining joint distention	✓	✗	✓	✓	✓
Minimizing bleeding and cleaning debris (especially while cutting)	✓	✗	✓	✓	✓
Minimizing excessive pressure (higher than set point)	✗	✓	?	✗	✓

*Intra-Abdominal Fluid Extravasation During Hip Arthroscopy: A Survey of the MAHORN Group, Kocher, MS., et al. Arthroscopy. Vol 28, No 11 (November), 2012: pp 1654-1660.

3. Source: Test Report 103405388 Rev 2

FMS VUE II System

AS A SHAVER RESECTION SYSTEM



Precision

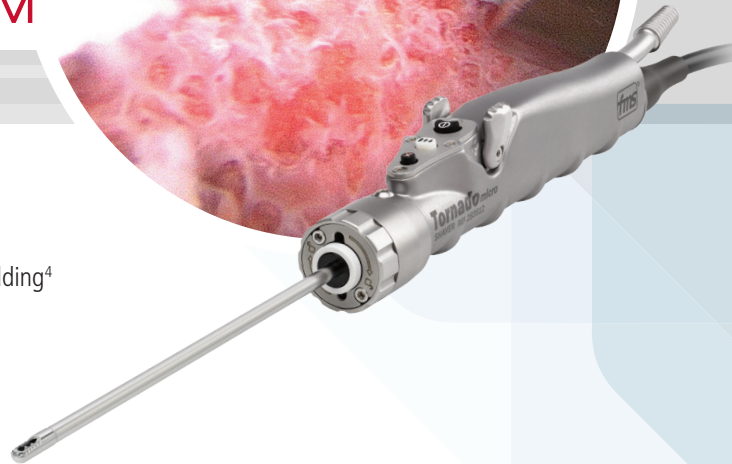
- Delivering 500% less metal particulate vs. leading tested competitors⁴
- Proprietary lubricant reduces friction, resulting in overall reduction of shedding⁴
- Reduced clearance between blade edges enables clean and efficient cutting
- Notched burr flutes improve bone sculptability

Quality & Choice

- Wide range of lengths, tip designs and cutting efficiencies for ultimate access and resection control
- Optimal grades of hardened stainless steels for strength
- Light, robust, and easy-to-load Tornado Micro Shaver Handpiece
- Easily recognizable color rings on all black hubs for quick identification

Innovation

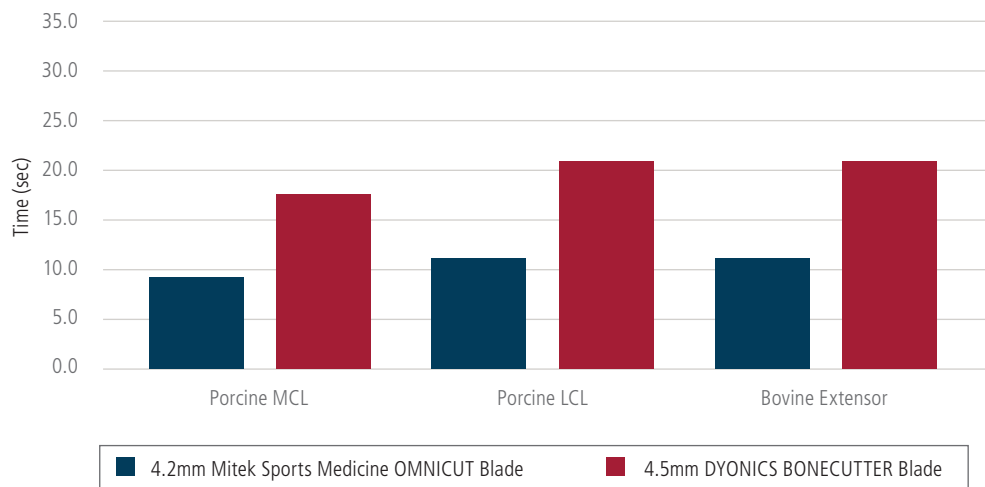
- Only shaver system incorporated into fluid management system for optimal suction, clarity and performance
- OMNICUT™ Resection Blade enables both soft tissue and bone resection
- OMNICUT Resection Blade may provide an economic advantage and enhances OR efficiency by eliminating the need to switch from a blade to a burr
- Innovative three-window design improves cutting effectiveness and precision
- Engages and draws tissue with adequate speed for optimal resection



⁴ % Shaver Metal Particulate Filter Coverage: Mitek 0.07% vs. Tested Major Competitors Combined: 0.47%. 103286307 (Supporting Documentation for Metal Particulate Comparison White Paper). Major Competitors include Smith & Nephew, ConMed LINVATEC, Stryker and Arthrex.

OMNICUT™ Resection Blades Soft Tissue Cutting Performance

Mitek Shaver
Delivers Efficient
Cutting Performance
Without Clogging



FMS VUE II Pump and Accessories Ordering Information

Tubing



CODE	DESCRIPTION
284508	Inflow Tubing (FMS VUE System)
284610	Outflow Tubing without One-Way Valve (Disposable Setup)
284649	Outflow Tubing with One-Way Valve (Reusable Setup)
281103	Intermediary Tubing without One-Way Valve (Disposable Setup)
281142	Intermediary Tubing with One-Way Valve (Reusable Setup)

Pumps and Instruments

CODE	DESCRIPTION
284004	FMS VUE II Fluid Management & Tissue Debridement System
283573	Foot Pedal (FMS VUE System)
283551	Remote Control (FMS VUE System)
282114	FMS Connect Universal Shaver Interface Cable (FMS VUE System)













Shaver Handpiece

CODE	DESCRIPTION
283512	Tornado Micro Shaver Handpiece with hand controls 1.25
283812	Tornado Micro Shaver Handpiece with hand controls 2.0
283712	Tornado Micro Shaver Handpiece without hand controls 2.0





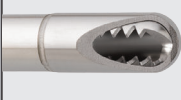

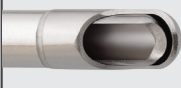

Sterile Single-Use Standard and Curved Blades & Burrs Ordering Information

ALL STANDARD BLADES AND BURRS ARE 13CM LONG AND PACKAGED 5 PER BOX

BLADE / BURR COLOR RING		PRODUCT	CODE	DESCRIPTION
COMBO			OMNICUT RESECTION BLADE A combination blade excellent for soft-tissue and bone debridement.	283345 4.2 mm (for use with MICRO Tornado Handpiece)
	283346 5.2 mm (for use with MICRO Tornado Handpiece)			
BLADES			ULTRA-AGGRESSIVE BLADE PLUS* Ultra-aggressive all-purpose blade ideal for thick-tissue removal.	283329 3.5 mm (for use with MICRO Tornado Handpiece)
				283429 4.0 mm (for use with MICRO Tornado Handpiece)
				283729 5.0 mm (for use with MICRO Tornado Handpiece)
				283422 4.2 mm CURVED (for use with MICRO Tornado Handpiece)
			AGGRESSIVE BLADE PLUS* Aggressive meniscal trimming, plica, and synovia removal.	283319 3.5 mm (for use with MICRO Tornado Handpiece)
				283419 4.0 mm (for use with MICRO Tornado Handpiece)
				283719 5.0 mm (for use with MICRO Tornado Handpiece)
				283412 4.2 mm CURVED (for use with MICRO Tornado Handpiece)
			MULTI BLADE PLUS* Great for meniscal trimming, joint debridement, and general tissue removal.	283439 4.0 mm (for use with MICRO Tornado Handpiece)
				283739 5.0 mm (for use with MICRO Tornado Handpiece)
				283432 4.2 mm CURVED (for use with MICRO Tornado Handpiece)
			FULL-RADIUS BLADE PLUS* Excellent for general debridement.	283309 3.5 mm (for use with MICRO Tornado Handpiece)
	283409 4.0 mm (for use with MICRO Tornado Handpiece)			
	283709 5.0 mm (for use with MICRO Tornado Handpiece)			
	283403 4.2 mm CURVED (for use with MICRO Tornado Handpiece)			
BURRS			BARREL TORNADO BURR PLUS* Ultra-aggressive burr for bone resection during acromioplasty and notchplasty.	283489 4.0 mm (for use with MICRO Tornado Handpiece)
				283889 5.0 mm (for use with MICRO Tornado Handpiece)
			BARREL BURR PLUS* Ideal for resecting bone and cartilage during acromioplasty and notchplasty.	283469 4.0 mm (for use with MICRO Tornado Handpiece)
				283869 5.0 mm (for use with MICRO Tornado Handpiece)
		ROUND TORNADO BURR PLUS* Ultra-aggressive bone, cartilage, osteochondral debridement, and osteophyte resection.	283479 4.0 mm (for use with MICRO Tornado Handpiece)	
			283879 5.0 mm (for use with MICRO Tornado Handpiece)	
		ROUND BURR PLUS* Bone cartilage, osteochondral debridement, and osteophyte resection.	283459 4.0 mm (for use with MICRO Tornado Handpiece)	
			283859 5.0 mm (for use with MICRO Tornado Handpiece)	

Sterile Single-Use Mini Blades & Mini Burrs Ordering Information













ALL MINI BLADES AND MINI BURRS ARE 8CM LONG AND PACKAGED 5 PER BOX

BLADE / BURR COLOR RING		PRODUCT	CODE	DESCRIPTION
BLADES			ULTRA-AGGRESSIVE BLADE PLUS* Ultra-aggressive all-purpose blade ideal for thick-tissue removal.	283229 2.7 mm Mini (for use with MICRO Tornado Handpiece)
				283629 3.5 mm Mini (for use with MICRO Tornado Handpiece)
			AGGRESSIVE BLADE PLUS* Aggressive meniscal trimming, plica, and synovia removal.	283619 3.5 mm Mini (for use with MICRO Tornado Handpiece)
				FULL-RADIUS BLADE PLUS* Excellent for general debridement.
		283609 3.5 mm Mini (for use with MICRO Tornado Handpiece)		

*"Plus" denotes a blade / burr featuring enhanced steel and added lubricant

Sterile Single-Use XL Blades & XL Burrs Ordering Information

ALL XL BLADES AND XL BURRS ARE 19CM LONG AND PACKAGED 5 PER BOX

BLADE / BURR COLOR RING		PRODUCT	CODE	DESCRIPTION	
BLADES			ULTRA-AGGRESSIVE BLADE PLUS* Ultra-aggressive all-purpose blade ideal for thick-tissue removal.	283428 283421	4.2 mm XL (for use with MICRO Tornado Handpiece) 4.2 mm XL CURVED (for use with MICRO Tornado Handpiece)
			AGGRESSIVE BLADE PLUS* Aggressive meniscal trimming, plica, and synovia removal.	283418 283411	4.2 mm XL (for use with MICRO Tornado Handpiece) 4.2 mm XL CURVED (for use with MICRO Tornado Handpiece)
			MULTI BLADE PLUS* Great for meniscal trimming, joint debridement, and general tissue removal.	283431 283433	4.2 mm XL (for use with MICRO Tornado Handpiece) 4.2 mm XL CURVED (for use with MICRO Tornado Handpiece)
			FULL-RADIUS BLADE PLUS* Excellent for general debridement.	283408 283404	4.2 mm XL (for use with MICRO Tornado Handpiece) 4.2 mm XL CURVED (for use with MICRO Tornado Handpiece)
BURRS			XL ROUND TORNADO BURR PLUS* Ultra-aggressive bone, cartilage, osteochondral debridement, and osteophyte resection.	283478 283878	4.0 mm XL (for use with MICRO Tornado Handpiece) 5.0 mm XL (for use with MICRO Tornado Handpiece)
			XL ROUND BURR PLUS* Bone cartilage, osteochondral debridement, and osteophyte resection.	283458 283858	4.0 mm XL (for use with MICRO Tornado Handpiece) 5.0 mm XL (for use with MICRO Tornado Handpiece)

*"Plus" denotes a blade / burr featuring enhanced steel and added lubricant



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