Synergy Shaver™ System

The Next Evolution of Precision and Performance

Arthrex®

Synergy Shaver™ System

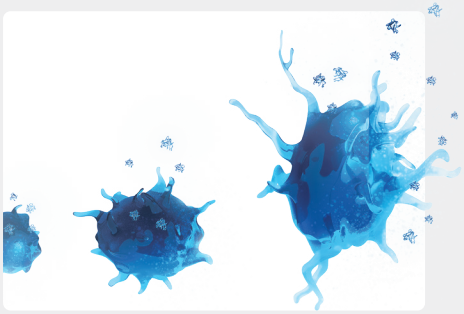
The Synergy Shaver system is a groundbreaking arthroscopic resection system featuring a range of expertly crafted shaver blades, burrs, and specialty attachments. Designed to enhance power, control, and resection, the Synergy Shaver system is fine-tuned to deliver the best user experience.

Key Features and Benefits

- Consistent experience with customizable surgeon profiles
- User-friendly touchscreen with intuitive iconography
- Lightweight, ergonomic handpieces with high rpm and torque
- Shaver attachments engineered with large inner hubs designed for optimized flow
- SafeGuard™ boundaries automatically regulate speed, direction, and modes based on attachment type
- On-demand open and close blade window functionality with AutoLock™ technology
- Blade ID™ technology for default settings based on optimizing performance[1]*
- Dynamic Oscillation Mode tailors the oscillation pattern for each attachment's window design
- Performance[PRO] Blades enhanced with ProEdge™ technology
- Research-driven biologic applications
- A variety of shavers and burrs to support minimally invasive procedures with NanoResection™ devices

*These default settings have been determined by benchmark testing to provide optimal performance.

Synergy Shaver Handpiece



Researched-backed biologic harvesting

GraftNet™ autologous tissue collector

Synergy Shaver console

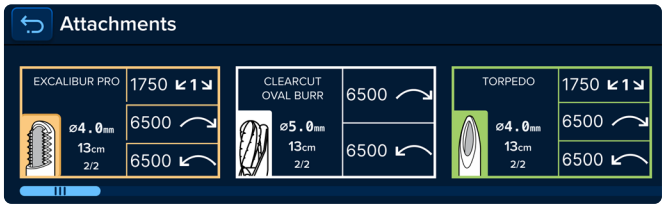
Console

Discover the Synergy Shaver™ console, a cutting-edge solution designed to enhance the efficiency and precision of arthroscopic resection.

- User-friendly touchscreen display for seamless navigation and control
- Intuitive icons and a setup wizard to reduce onboarding time
- Dual receptacles for both handpiece and footswitch
- Heads-up display (HUD) connectivity for enhanced visibility
- Seamless integration with Synergy arthroscopy pumps, to deliver flow that regulates shaver suction control with ShaverBOOST to enhance visualization and maintain consistent distension by modulating outflow performance to deliver an enhanced user experience
- Maximum speeds up to 12,000 rpm in both forward and reverse, and 3000 rpm in oscillation
- Supports 4 oscillation modes
- Direct software updates available on the console
- Data management export/import for transferring profiles between consoles

Surgeon Profiles

Personalize Your Resection Experience



- Intuitive surgeon profiles enable surgeons to set their preferences
- The setup wizard creates a smooth experience for creating profiles
- Surgeon profiles include blade speed preference, oscillation mode setting, and handpiece/footswitch functionalities
- Profiles ensure consistency across various procedures

Handpieces

Unmatched comfort, precision, and performance

The latest handpiece technology from the Synergy Shaver™ system focuses on ergonomic design to support a variety of grips, enhancing comfort.

The Synergy Shaver handpiece received a higher overall average ergonomic rating across multiple factors compared with competitive devices.[2]

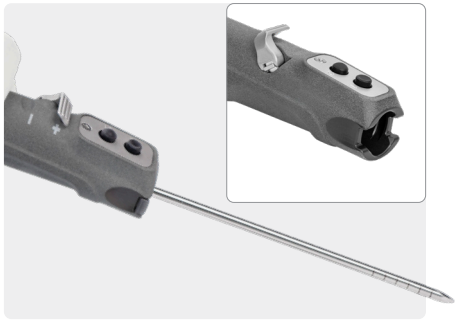
Synergy Shaver Handpiece

NanoResection™ Small-Hub Shaver Handpiece

- Lighter than ever before, designed to improve maneuverability and reduce grip fatigue
- Programmable buttons customize the resection experience for specific resection needs
- Easy attachment and detachment mechanism streamlines workflow, enabling surgeons and staff to quickly transition to the next surgical step
- Fast and powerful shaver system with high torque and speeds up to 12,000 rpm in forward and reverse
- Enhanced flow pathway from hub designed to optimize suction capabilities
- NanoResection handpiece for Nano arthroscopy procedures

Programmable buttons for surgeon customization

Proprietary removable suction valve allows for easy maintenance



Simplified attachment mechanism can allow the blade to face up or down based on surgeon preference

Footswitch

The Synergy Shaver™ system offers a sleek, ergonomic wired pedal footswitch. The footswitch can be operated in either standard footswitch mode (SFS) or gas pedal footswitch mode (GFS). It features two function buttons that can be programmed to allow the user to change their preference intraoperatively.

Programmable Function Change

› Speed change

› OSC mode change

› Window reposition

› Disabled function button

Options

› SFS: Standard on/off mode

› GFS: Variably adjusts speed based on the pressure applied to the pedal

Blade ID™ Technology*

Built-in Blade Intelligent Detection™ (Blade ID) technology instantly identifies the attachment inserted into the shaver handpiece, ensuring optimal settings for every resection need. Blade ID technology uses radiofrequency identification (RFID) tags to assign default settings for each attachment. These default settings have been determined by engineering and surgeon feedback benchmark testing to provide optimal performance.[1]

- Plug-and-play feature is designed to enhance the surgeon's experience by allowing each blade to be easily identified
- Preset speeds and modes are designed to boost resection rates while minimizing clogging[1]

AutoLock™ Technology

AutoLock Technology significantly minimizes the chance of cartilage damage if accidental abrasion occurs.[3]

AutoLock technology ensures the blade windows remain securely closed when entering or exiting the joint space. Surgeons can confidently navigate delicate tissue and tight joint spaces knowing that the blade window will remain securely shut.

- Minimizes cartilage abrasion when closed, helping to reduce iatrogenic harm to the joint space[3]
- Open or half-opened cutting windows are 4× more likely to damage cartilage when compared to a closed cutting window.[3]
- Automatically closes the cutting window after the shaver blade is inserted and the handpiece is deactivated
- Saline conservation is designed for budget-conscious accounts
- Open and close window on demand

*Bench testing results may not be indicative of clinical performance.

ProEdge™ Technology

ProEdge technology is a proprietary manufacturing process that enhances blade sharpness and helps reduce blade wear.[4]

- Used on Performance[PRO] and Specialty Resection devices
- Engineered to maintain a durable, sharp edge

Dynamic Oscillation Mode

Dynamic Oscillation Mode tailors the oscillation pattern for each attachment's window design.*

Unlock a new level of oscillation control with this newly designed mode, which enhances the performance of Performance[PRO] and Specialty Resection devices by precisely controlling the aperture of the blade's cutting window.

- Delivers flexible control over the cutting window aperture when shifting between forward and reverse
- Uses magnets within the hub to adjust the percentage of inner blade exposure, integrating seamlessly into the handpiece

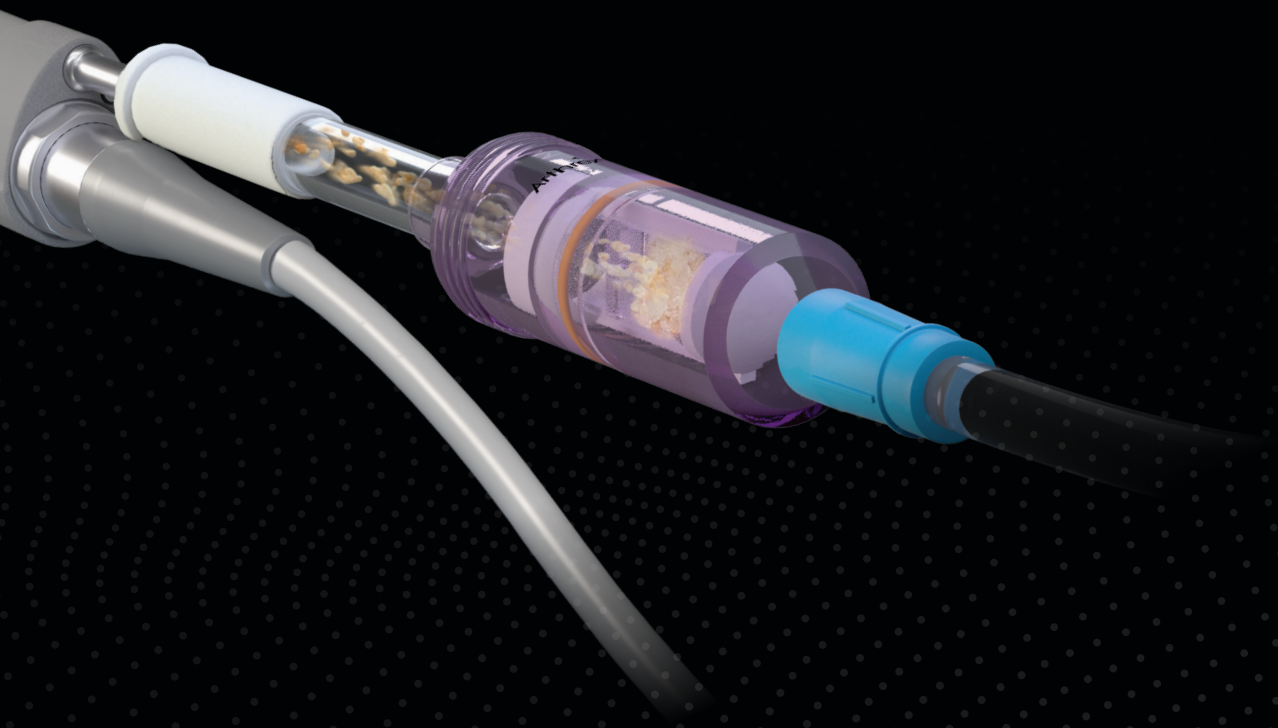
*For Performance[PRO] and Specialty Resection devices

Biologic Resection

The Synergy Shaver™ system offers a wide variety of shaver blades and Specialty Resection devices to perform a multitude of biological stimulating and harvesting procedures. When connected to a Synergy Shaver arthroscopic shaver, the GraftNet™ device can be used to collect bone, cartilage, or soft tissue from a surgical site. The GraftNet autologous tissue collector makes gaining access to autograft tissue as simple as Resect and Collect™.

Potential applications

- BioACL™ procedure
- AutoCart™ procedure
- Biologic harvest for bone-tendon-bone (BTB) backfill
- Stabilizing and harvesting articular cartilage
- Microdrilling for vented bone marrow stimulation
- Biological augmentation of rotator cuff repairs (RCR)
- Preparing biologic beds for advanced healing



PowerPick™ Attachment

Torpedo™ Shaver

PoweRasp™ Attachment

Retractable Hood Oval Burr

Specialty Resection Devices

Synergy Specialty Resection devices provide the ultimate attachment for every case to meet surgeon needs. These unique and differentiated devices offer distinctive shapes, sizes, and angles for any joint space application.

Key Features

- Proprietary designs
- Unique access and use
- Perform specialized functions such as creating a bleeding bed surface, microdrilling, and bone marrow stimulation
- Dynamic Oscillation Mode
- Backed by science-driven research, delivering forward and reverse speeds up to 12,000 rpm
- Biologic resections: AutoCart™ procedure; greater tuberosity bone preparation for rotator cuff repair; superior capsular reconstruction and biologic tuberoplasty; and tibial preparation for meniscal root repair
- Blade ID™ system, AutoLock™ technology, and optimized flow path

Performance[PRO] Blades

The Performance[PRO] line features professional-grade shaver blades with revolutionary capabilities, delivering high-quality arthroscopic shaver devices.

- ProEdge technology: A proprietary manufacturing process that enhances blade sharpness and helps reduce blade wear[3]
- Dynamic Oscillation Mode: Delivers flexible control over the cutting window aperture
- Biologic resection: Bursal augmentation for RCR, AutoCart™ procedures, and bone collection for BioACL™ procedures
- Blade ID™ technology: RFID optimized settings for peak performance, and unlocked speeds up to 10,000 rpm
- Optimized flow path: 50% larger hubs

Excalibur[PRO]
Tooth Window Configuration

BoneCutter[PRO]
Smooth Window Configuration

DoubleCut[PRO]
Hybrid Window Configuration

NanoResection

NanoResection™ devices allow for efficient, ultra-minimally invasive tissue resection and debridement. Low-profile tips facilitate ease of introduction into tight joint spaces.

- 2.8 mm × 11 cm length
- Nano Sabre shaver
- Nano oval burr
- Supports sutureless incision parameters
- Biologic resection: AutoCart procedure

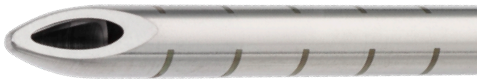
Nano Sabre Shaver

Nano Oval Burr

Hip-Length Shaver Blades and Burrs

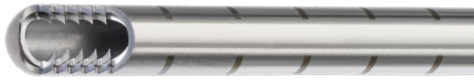
Designed for performance in hip arthroscopy procedures, the blades and burrs feature an extended length of 19 cm to allow access to pathology throughout the hip joint. The shaver blades also have molded threads, allowing them to lock onto bridge cannulas for increased maneuverability and rigidity.

- Proprietary retractable hood round burrs: 4 mm, 5 mm, 5.5 mm × 18 cm
- Differentiated curved round burr: 5 mm
- Smooth, hybrid, and toothed window configurations
- Straight and 12° curved angle options
- Specialty Resection attachments: Torpedo shaver, retractable hood burr, curved round burr
- Biologic resection: AutoCart™ technique
- Blade sizes: 4.5 mm × 19 cm
- Round burr sizes: 4 mm, 5 mm, 5.5 mm × 18-19 cm



Torpedo™ Shaver, Hip Length

Retractable Round Burr, Hip Length



Excalibur, Hip Lenth

Small Joint Blades and Burrs

The small joint shaver blades and burrs are a collection of 7 cm-long attachments designed to navigate small joints such as the foot and ankle, hand and wrist, and elbow. The blades and burrs are optimized to navigate limited-access joint spaces for convenient access.

- Large and small hub options
- Smooth and hybrid blade window configurations, plus round and oval burrs
- Specialty options: PowerPick™ attachment, PoweRasp™ attachment, and Topedo shaver
- Biologic resection: AutoCart technique
- 2-3.5 mm “suturless incision” parameters
- Runs on NanoResection™ small hub shaver handpiece

Saber, Small Joint Length

Dissector, Small Joint Length

Round Burr, Small Joint Length

Core Blades and Burrs

Core blades and burrs provide a wide range of shaver attachments for arthroscopic procedures. The 13 cm blades and burrs are available in a variety of window configurations to support procedural needs.

- Blade ID™ technology
- AutoLock™ technology
- Optimized flow path: 50% larger hubs
- Speed: FWD/REV 8000 rpm max
- Smooth, hybrid, and toothed window configurations
- Burr flutes: 8, 10, 12

Ordering Information

Synergy Shaver™ Handpiece Blade/ Burr	
Torpedo™ blade, 4.5 mm × 13 cm	AR-S8457TD
Torpedo blade, curved, 4.5 mm × 13 cm	AR-S8457CTD
Torpedo blade, 5.0 mm × 13 cm	AR-S8507TD
BoneCutter^{PRO}, 4.0 mm × 13 cm	AR-S8407BC
BoneCutter^{PRO}, 4.5 mm × 13 cm	AR-S8457BC
BoneCutter^{PRO}, curved, 4.5 mm × 13 cm	AR-S8457CBC
BoneCutter^{PRO}, 5.0 mm × 13 cm	AR-S8507BC
BoneCutter^{PRO}, 5.5 mm × 13 cm	AR-S8557BC
Excalibur^{PRO}, 4.0 mm × 13 cm	AR-S8407EX
Excalibur^{PRO}, 4.5 mm × 13 cm	AR-S8457EX
Excalibur^{PRO}, curved, 4.5 mm × 13 cm	AR-S8457CEX
Excalibur^{PRO}, 5.0 mm × 13 cm	AR-S8507EX
Excalibur^{PRO}, 5.5 mm × 13 cm	AR-S8557EX
DoubleCut^{PRO}, 4.5 mm × 13 cm	AR-S8457DC
DoubleCut^{PRO}, curved, 4.5 mm × 13 cm	AR-S8457CDC
Dissector, 3.5 mm × 13 cm	AR-S8357DS
Dissector, 4.5 mm × 13 cm	AR-S8457DS
Oval burr, 8 flute, 4.0 mm × 13 cm	AR-S8407OBE
Oval burr, 8 flute, 5.0 mm × 13 cm	AR-S8507OBE
Oval burr, 8 flute, 5.5 mm × 13 cm	AR-S8557OBT
Round burr, 8 flute, 4.0 mm × 13 cm	AR-S8407RBE

NanoResection™ Small-Hub Shaver Handpiece Blade/ Burr/ Specialty Attachment	
PowerPick™ accessory, small hub, 0°, 1.0 mm × 4 mm	AR-9100PP-00
PowerPick accessory, small hub, 45°, 1.0 mm × 4 mm	AR-9100PP-45
Sabre, 2.0 mm × 7 cm	AR-9200SR
Sabre, 3.0 mm × 7 cm	AR-9300SR
Sabre, 3.5 mm × 7 cm	AR-9350SR
Nano oval burr, 10 flute, 2.8 mm × 11 cm	AR-9280NOT
Nano Sabre shaver, 2.8 mm × 11 cm	AR-9280NSR

NanoResection™ Small-Hub Shaver Handpiece Blade/ Burr/ Specialty Attachment	
Oval burr, 10 flute, 3.0 mm × 7 cm	AR-9300OBT
Oval burr, 10 flute, 3.5 mm × 7 cm	AR-9350OBT
Round burr, 10 flute, 3.0 mm × 7 cm	AR-9300RBT
Round burr, 10 flute, 3.5 mm × 7 cm	AR-9350RBT
PoweRasp™ attachment, small hub, 3.5 mm	AR-9350PR
Torpedo blade, 3.5 mm × 7 cm	AR-9350TD
Dissector, 3.0 mm × 7 cm	AR-9300DS
Dissector, 3.5 mm × 7 cm	AR-9350DS

Capital Equipment for Synergy Shaver & Power™ System	
Synergy Shaver & Power console	AR-S8307
Synergy Shaver & Power shaver handpiece, handcontrol	AR-S8337H
NanoResection small-hub handpiece	AR-8330SJ
Synergy Shaver & Power wired pedal-style footswitch	AR-S8316C
Replacement parts for the AR-S8337H handpiece	
Replacement soaker cap assembly	AR-S8337C
Replacement O-ring for soaker cap	AR-S8337CO
Replacement valve assembly	AR-S8337V
Replacement O-ring for suction valve	AR-S8337VO
Replacement silicone lanyard for soaker cap	AR-S8337L
Replacement parts for the AR-8330SJ handpiece	
Replacement valve assembly	AR-8330SJV
Replacement O-ring for suction valve	AR-8330SJO
Replacement O-rings for F-style soaker cap	AR-8330FO
Replacement O-rings for T- style soaker cap	AR-8330TO

References

1. Arthrex, Inc. Data on file (PLM109848). Naples, FL; 2024.
2. Arthrex, Inc. Data on file (1108614). Naples, FL; 2025.
3. Arthrex, Inc. LA1-000208-EN-US_A. Naples, FL; 2025.
4. Arthrex, Inc. Data on file (1034336). Naples, FL; 2025.

This description of technique is provided as an educational tool and clinical aid to assist properly licensed medical professionals in the usage of specific Arthrex products. As part of this professional usage, the medical professional must use their professional judgment in making any final determinations in product usage and technique. In doing so, the medical professional should rely on their own training and experience, and should conduct a thorough review of pertinent medical literature and the product's directions for use. Postoperative management is patient-specific and dependent on the treating professional's assessment. Individual results will vary and not all patients will experience the same postoperative activity level or outcomes.

Arthrex manufacturer, authorized representative, and importer information (Arthrex eIFUs)

US patent information

 LB1-000576-en-US_C

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