

Visualize the Enhancement

Highlighting Arthroscopy

As medical video technology continues to evolve and the visual demands of today's arthroscopy procedures increase, Stryker has once again responded by raising the bar with the evolution of HD technology.

Stryker Endoscopy's new revolutionary platform provides all visualization needs for today's arthroscopy arena:

SYNK Wireless Technology

The SYNK Wireless Platform utilizes advancements in WHDI technology to enable a safer, more efficient OR. The SYNK Transmitter wirelessly transmits uncompressed, 1080p HD video signals across the OR on up to three VisionPro SYNK 26" LED Displays. While eliminating the hassles and hazards associated with long video cables across the floor, SYNK provides more WiFi channel availability, high-signal consistency, and an overall better coexistence with other wireless systems. SYNK is also customizable to adapt to your current set up or sustain the needs of your future surgical suite. Avoid interference with hospital wireless and phone systems through SYNK's custom channel selection. Also, expand the safety and efficiency benefits of wireless with SYNK's dual-channel functionality to enable wireless transmission of a second Stryker or Non-Stryker video signal in the OR, GI Lab, Cath Lab, CVOR and throughout your facility. Designed specifically for the surgical environment, SYNK is built to satisfy the strict, high-standard requirements of the medical market.

1488 HD 3-Chip Camera

The 1488 HD Camera System utilizes advanced CMOS technology and premium optics to continue the legacy of best-in-class video systems that Stryker has delivered to its customers for over 30 years. The 1488 system provides a clear bright image designed to enhance patient outcomes. Cross-specialtystandardizationisenabledthrough9dedicatedsurgicalspecialtysettings.Designed scalable to accommodate future advancements in integration technology, the 1488 HD delivers on Stryker's promise of meeting customers' current and future needs.

L9000 LED Light Source

This new LED technology will completely change the perception of lightsources in the operating room. The long life expectancy of the LED bulbs will drastically reduce the overall cost of ownership while reducing environmental waste caused by purchasing replacement bulbs.

SDC3 Information Management System

Stryker introduces the SDC3, an innovative and intuitive data management solution for the Operating Room. With on-screen device status, surgeons and staff can conveniently monitor the status of critical devices on the surgical monitor. At the start of each procedure, a customized surgical timeout, designed to improve patient safety, can also be displayed on the monitors, ensuring staff engagement, and allowing for an electronic copy of the surgical timeout to be stored in the patient's file. Additionally, with HD dual channel recording options, the SDC3 can be used to record native HD video from multiple cameras, becoming an effective training tool. All of these features can be personalized using customized user profiles at the touch of one button.

SDP1000 Digital Printer

The Stryker SDP1000 is a medical-grade digital printer designed specifically for applications where image, quality, durability, and accurate color reproduction are essential. With the combination of a 301 dpi thermal head and a built-in protective lamination feature, the SDP1000 creates durable, printed images in full HD resolution. The roll-type media utilized by the SDP1000 ensures consistent color reproduction and eliminates the use of ink cartridges. The unique paper delivery system greatly reduces jams and has the option to print Letter and A4 sizes. The front-loading tray allows for convenient access to the paper and ink rolls, minimizing the amount of space necessary for the placement of the SDP1000.

Arthroscopy All in One

Stryker Endoscopy offers a complete Arthroscopy platform to meet all OR needs with exceptional performance and innovative features.

Stryker consoles are built with user friendly interfaces and offer control to the physician through various touch screen, remote control, and foot control options. Their stackable design provide a comprehensive solution for surgeons and staff by allowing for full view of the console screens and easy access, insertion, and removal of units.

A Stryker Micro Cart is the perfect complement to the Arthroscopy systems. Light weight and easy to maneuver, the Micro Cart comes with an adjustable shelf, a perforated locking drawer and an easily adjustable IV pole. Stryker Endoscopy offers a complete arthroscopy solution in a dependable and space saving package.



Integrated Arthroscopy Resection System

CrossFire 2

CrossFire 2 is Stryker's second generation integrated resection and energy system. This two-in-one platform has the ability to operate shaver and RF functionality all in one console. The CrossFire 2 console and footswitch control SERFAS Energy probes, Formula cutters and burs, and CrossFlow Integrated Arthroscopy Pump features. This eliminates the need for multiple footswitches and consoles that clutter the OR. CrossFire 2 offers revolutionary resection capability in one complete arthroscopy solution.



Make the Switch to Wireless

iSWITCH Receiver & Footswitch

In an effort to increase safety and efficiency in the operating room, Stryker developed the market's first wireless universal footswitch, the iSWITCH. The footswitch uses a wireless USB connection and has the ability to control the Stryker Crossfire and CORE footswitch functions. The iSWITCH technology is designed to eliminate the inconveniences and hazards standard footswitches and cords may create.



Cutting Edge Solutions

Formula Shaver Hand Pieces

Stryker's three Formula Shaver Hand Pieces combine power and precision to offer optimal performance and comfort for every surgeon. All three hand pieces offer up to 12,000 RPM and shaver blade recognition.

Formula 180 Shaver Hand Piece

The Formula 180 allows for simultaneous control of buttons and suction.

Formula Shaver Hand Piece (with buttons)

The Formula Shaver hand controlled hand piece provides a second option for button placement while preserving the ability to control the buttons and suction simultaneously.

Formula Shaver Hand Piece (without buttons)

The Formula Shaver hand piece allows suction control and complements surgeons using foot control.



Formula

Angled Shaver Blades

Stryker's newly designed angled blades showcase an innovative, laser cut inner-housing that enhances cutting performance and reduces particle generation.*



Proprietary "puzzle piece" Laser Cut Design shaver inner-housing

Features & Benefits:

- Stainless steel cutter tube
- New inner housing designed for more efficient resection, stronger torque, transmission, and reduced clogging*
- True 4.0, 4.5, and 5.0 mm sizing



*New angled blades are improvement from previously manufactured Stryker angled shaver blades (same part numbers apply).





Angled Cutters

Aligica Gati		
ANGLED AGGRESSIVE PLUS	Product No.	Product Description
	4.0mm 380-544-100 4.5mm 380-544-150 5.0mm 380-554-100	Provides rapid tissue removal without clogging. Unique curved design allows increased access to patella, posterior meniscus, and other hard-to-reach areas. No teeth on outer window to protect articular cartilage upon entry.
ANGLED RESECTOR		
ANGLED RESECTOR	4.5mm 380-542-150 5.0mm 380-552-100	For general debridement, particularly effective on articular cartilage. Unique curved design allows increased access to patella, posterior meniscus, and other hard-to-reach areas.
ANGLED TOMCAT		
	4.0mm 380-545-100 4.5mm 380-545-150 5.0mm 380-555-100	Provides rapid, aggressive tissue removal without clogging. Unique curved design allows for general debridement, particularly effective on articular cartilage.
ANOLED BOURLE DITE		
ANGLED DOUBLE BITE	4.5mm 380-543-150	New design provides rapid, aggressive tissue removal without clogging. Unique curved design allows increased access to patella posterior meniscus, and other hard-to-reach areas. No teeth on outer window to protect articular cartilage upon entry.

Power. Precision. Performance.





Burs

BARREL BURS (6 flute)	Product No.	Product Description
	4.0mm 375-941-000	For rapid, aggressive subacromial decompression, notchplasty, and distal clavicle resection without clogging.
	5.0mm 375-951-100	
	5.5mm 375-951-000	
BARREL BURS (12 flute)		
The state of the s	4.0mm 375-941-012	For smoother bone removal due to increased number of flutes.
	5.0mm 375-951-112	
	5.5mm 375-951-012	
ROUND BURS (6 flute)		
	3.5mm 375-930-000	For rapid, aggressive general abrasion arthroplasty, notchplasty and decompression without clogging.
a Maria	4.0mm 375-940-000	
	5.0mm 375-950-100	
T	5.5mm 375-950-000	
ROUND BURS (12 flute)		
	4.0mm 375-940-012	For smoother bone removal due to increased number of flutes.
	5.0mm 375-950-112	
	5.5mm 375-950-012	
UNHOODED BARREL BURS (6 flute)		
	4.0mm 375-941-200	Pre-packaged burs for distal clavicle resection.
	5.5mm 375-951-200	
UNHOODED ROUND BURS (6 flute)		
	4.0mm 375-940-200	Pre-packaged burs for distal clavicle resection.
	5.5mm 375-950-200	
E00 BUB (0 (1):4-)		
EGG BUR (6 flute)	- 5 5 mm 075 050 000	
663	5.5mm 375-952-000	For rapid, aggressive subacromial decompression and notchplasty.

Speciality Burs

SLAP™ BUR	Product No.	Product Description
	4.0mm 375-941-500	For protected use under the labrum while preparing the bony bed of the glenoid in a SLAP lesion.
AUGER BUR		
	5.0mm 375-450-500	Multi-functional blade resects both bone and soft tissue. Ideal for rapid subacromial decompression and notchplasty when run in forward mode.
SUBCHONDRAL DRILL		
	4.0mm 375-832-000 NOTE: 1.5mm Drill Tip	Designed for initial treatment of small or unsuspected articular cartilage lesions. Rapidly drills small holes into the subchondral bone promoting vascularity.
LEFT HELIX BARREL BUR (6 flute)		
	5.5mm 375-953-000	The reverse rotation combined with the left helix flutes draws the bur into the bone during bone resection. This eliminates the bur head from skipping off of the bone and enables surgeons to use the same technique on right and left joints.
LEFT HELIX BARREL BUR (12 flute)	l	
	5.5mm 375-953-012	The reverse rotation combined with the left helix flutes draws the bur into the bone during bone resection. This eliminates the bur head from skipping off of the bone and enables surgeons to use the same technique on right and left joints.

Small Joint Cutters & Burs

AGGRESSIVE CUTTER	Product No.
	2.5mm 375-628-000
	3.5mm 375-638-000
FULL RADIUS CUTTER	4
	2.5mm 375-627-000
	3.5mm 375-637-000
TOMCAT	2
	3.5mm 375-636-000
(MANAS)	
46666	
HOODED ABRASION BUR	J
	2.0mm 375-641-000
	3.0mm 375-647-000

Hip Cutters & Burs

LONG HIP AGGRESSIVE PLUS	Product No.	Description
TITLE OF	4.0mm 385-544-000	Straight
Chine	4.0mm 385-544-100	Angled
	5.0mm 385-554-000	Straight
LONG HIP TOMCAT		
	4.0mm 385-545-000	Straight
(MARCO)	4.0mm 385-545-100	Angled
49999		
Resector		
	5.0mm 385-552-000	Straight
LONG HIP PEAR BUR (8 flute)		
	4.0mm 385-943-000	
	5.5mm 385-953-008	
BARREL BUR (8 flute)		
15	5.5mm 385-951-008	
ROUND BUR (8 flute)		
	5.5mm 385-950-008	

Unmatched Ablation

and Coagulation Performance

SERFAS Energy Platform

The SERFAS energy platform encompasses a variety of procedural specific probes in standard and hip lengths. SERFAS Energy Probes are available in suction, ablation, cutting and small joint styles.













High Performance

Ablation & Coagulation

90-S Accelerator SERFAS Energy Probe

The 90-S Accelerator is the latest addition to the SERFAS Energy platform, and is designed to be Stryker's most complete 90 degree suction probe. The Accelerator's unmatched ablation and coagulation capabilities will enable surgeons to focus on technique and precision, allowing for the best possible outcomes.

Suction Performance

The Symmetric Face Design generates more uniform plasma and maximizes suction area allowing for a larger flow rate. This significantly increases the ablation rate, removes heated saline faster, significantly decreases bubbling, and reduces charring tissue.

Improved Design

Increased edges on the active electrode increase the power concentration points leading to quicker plasma generation.



Energy Probes

Power Settings & Probe Recommendations

		SUCTION					ABLATION				CUTTING SMALL JOINT				
INDICATIONS		***	The state of the s	18				8	(6)				8	1	
	ENERGY Probes	90-S Accelerator	SUPER 90-S	90-S MAX	90-S	50-S	30-S	Aardvark	90	Lat	Contour	Direct	Hook	Micro-Brush	Micro-Claw
	Part Number	279-351-400	279-351-300	279-401-100	279-351-100	279-351-250	279-351-230	279-251-101	279-350-101	279-350-201	279-350-301	279-350-401	279-350-501	279-250-201	279-250-101
	Default Settings	9	9	9	9	9	9	4	5	5	5	5	5	4	4
Š	Menisectomy	8-10	8-10	8-10	8-10	8-10	8-10	4-6	5-7		5-7				
KNEE/HIP	Posterior Meniscectomy					8-10	8-10	4-6			5-7	5-6			
ľ	Lateral Release	9-11	9-11	9-11	9-11				5-7				5-7		
	Soft Tissue Debridement	9-11	9-11	9-11	9-11	8-10	8-10	4-6	5-7	6-8	5-7	2-4			
	Articular Cartilage Debridement	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4				
SE	Subacromial Decompression	9-11	9-11	9-11	9-11				5-7	6-8					
SHOULDER	Capsular Release	8-10	8-10	8-10	8-10				5-7				5-7		
∺	Tissue Tightening	1-2	1-2	1-2	1-2				2-3	2-3	2-3				
MS	TFCC							4-6						4-6	4-6
SMALL JOINT	Tendon Debridement							4-6						2-3	2-3
S S	Chondroplasty							2-4						2-4	2-4
	Tissue Tightening							2-3						2-3	2-3

Innovation through Integration

CrossFlow Integrated Arthroscopy Pump

The CrossFlow Integrated Arthroscopy Pump is the ideal solution for users seeking simplicity and versatility without compromising performance. CrossFlow can be operated in inflow-only or inflow/outflow mode and comes equipped with a hand control and a customizable footswitch. With CrossFlow, Stryker introduces ReconiSense Technology to the market, which allows the pump to determine optimal suction rates for Stryker cutters, burs, and RF probes. ReconiSense Technology is designed to improve soft tissue cutting performance, provide more consistent visualization to debride bone, and decrease fluid usage by managing suction. Experience true integration rather than minimal coordination with CrossFlow.



- **ReconiSense Technology:** While other pumps provide minimal coordination with resection devices, CrossFlow provides true integration with Stryker shavers and RF by optimizing the suction rates for each disposable
- On-Demand Assistance (ODA): A built-in intelligence system provides users with "how-to" instructions for each console feature and function
- LowFlow Software: Designed to optimize performance with more immediate response times to pressure and flow changes in the joint

The hand control can be used to start and stop the pump, increase and decrease pressure and flow, and also control the wash and hot swap functions.

The CrossFlow is equipped with an easy-to-use, customizable footswitch. In addition to the hand control features, the footswitch can also be used to control the Drain, Clear, and Vacuum functions.

Simplifying the Choice for Arthroscopy Pumps

FloSteady SELECT Arthroscopy Pump

Stryker's FloSteady SELECT is an innovative fluid management system that simplifies operation while simultaneously enhancing performance. The FloSteady SELECT pump eliminates the task of preoperative calibration, which reduces set up time and hassle. Its' new Low Flows of tware enhancements optimize performance to allow for more immediate response



times to pressure and flow changes in the joint. This compact pump is battery operated allowing it to be moved around without worrying about cluttered cords. Both "wash" and "turbo" options allow the pump to maintain distention during high outflow procedures.

Features & Benefits:

- No Calibration Required: Select and Start
- LowFlow Software for Enhanced Performance
- LCD Touch Screen Interface
- Battery operated pole mount design
- Autoclavable hand control
- 4 Programmable joint icon

Durable Precision at Your Fingertips

Conquest Series Manual Instruments

Designed for a broad range of applications, Stryker's Conquest Instruments combine world-class craftsmanship with unparalleled technical precision. Stryker offers a complete line of 40 instruments including, scissors, graspers, punches and small joint instruments.

Stryker's Conquest Manual Instruments:

- Designed to decrease fatigue
- Milled from a solid piece of steel and coated with chromium for extra protection

Reliable Accuracy and Control

Champion Small Joint Instruments

The Champion Small Joint Manual Instruments are the ultimate tools for small joint arthroscopy. This durable instrument set includes small joint specialty punches, graspers, and scissors that range in size from 2.1 mm to 2.7 mm.

Stryker's Champion Small Joint Instruments:

- Set includes up, down, right, and left biters for hard to reach tissue
- All instruments have a replaceable safety pin mechanism built into the handle – if the instrument experiences an abnormally high load of force, the safety pin will break instead of the working instrument tip, preventing break off in the joint

The Clear Choice In Disposable Cannulas

Dri-Lok Cannulas

Stryker offers a variety of Dri-Lok Disposable Cannulas in several styles and sizes to accommodate a wide range of instrumentation and procedures. Reusable cannulated obturators allow for the use of a switching stick.



Features & Benefits:

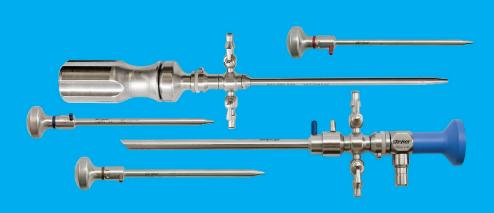
- "No Leak" triple seal design
- Adjustable inflow/outflow valve
- Shatter resistant clear plastic
- Threaded, non-threaded, and distal threaded design
- Color-coded for siz

It's All

In The Hip

Arthroscopy Access

Stryker's Arthroscopy Access System was designed to help reduce the time and effort necessary to access and treat the hip joint. Capsule penetration, even for anatomically difficult hip joints, is greatly eased by the state-of-the-art obtrocar design. Portal exchange is smooth and seamless when you employ the fully cannulated cutter cannula-and-bridge system. Our new cutter cannulas' smooth tip design mitigate risk of scathing upon insertion, as well as providing extra protection for the capsule once inside the joint. The featured slotted cannula comes in both small and medium size range to facilitate access and manipulation for our full range of angled instrumentation.



Features & Benefits:

- 4 mm, 5 mm, and 5.5 mm cannula sizes
- Screw-in design for threaded cutters and burs
- J-Lock for Scope Bridge
- Obturator, Obtrocar and Trocar insertion
 devices
- Bridge system: single and dual, rotating and fixed stopcocks



SERFAS Energy XL Probes

Stryker SERFAS Energy probes are 180 mm length, allowing for the full range of resection challenges. Stryker probes have excellent rigidity and balance for hip-joint leverage to ablate and manipulate tissue. The SERFAS Energy system offers a large range of procedural-specific probes: from precision cutting for a hip capsulotomy with the hook probe, to access around the femoral head with our 50-S. Our most universal tip design, the 90-S, is there for all consistent ablation and suction requirements.

Features & Benefits:

- 180 mm working length
- 90-S, 50-S and Hook probe

Features & Benefits:

- 180 mm working length
- New 5.0 mm cutter and 5.5 mm bur styles available

Formula XL Blades

Stryker introduces a full line up of Formula shaver blades and burs for use in hip arthroscopy. All styles have been modified with a stainless-steel cutter-tube design for higher durability, more aggressive resection and decreased chance of clogging. Our angled hip blades are redesigned with the proprietary cylindrical laser-cut design which supplies more efficient resection, stronger torque transmission and less clogging. The newly designed 8-fluted burs feature a recessed hood design that provides improved distal end access with continued labrum protection.

Stryker Hip Arthroscopy Access

Designed in conjunction with Dr. Struan Coleman, HSS, Stryker's Hip Arthroscopy Instruments are a comprehensive kit of precision tools. From joint access, tissue resection, grasping, microfracture and suture-management the instruments are unified by their top-of-the-line quality and innovative design. The angled designs of our tools optimize joint access and allow curvature around the femoral head for pinpoint control.

All Stryker Hip Arthroscopy Instruments display design consciousness. The tips and handles are unique to each range of instruments addressing the intended goal for every tool. Tissue graspers feature a slightly open jaw for removal of loose bodies and the soft angle of our curette is designed to access even the tightest recesses of the joint, removing approximately 3 mm of cartilage to assist in preparation of the microfracture or repair site. Choice and variety of tools give surgeons the full range of options, all hand instruments have 190 mm working length that come in straight, up, left and right angles.



Features & Benefits:

- Angled Microfracture Pick is 30-degrees backwards inclined
- All hand instruments have 190 mm working length
- Straight and Angled probe options with handle that provides both comfort and utility
- 15-degree up and straight biters
- Curette, liberator, and rasp with featured
 3-hole handle design
- Graspers are angled 20 degrees right and left, as well as smaller straight tip design
- Additional tools include suture passers, tissue liberators, knot pushers, cannulas, cannulated switching sticks and hip blades



Optimal Visualization

Meets Excellent Reliability

Ideal Eyes Precision C-Mount Arthroscopes

Stryker has built a foundation based on technology, premium optics, and superior customer service which allows us to further establish ourselves as the industry leader in OR visualization. Along with the 1488 HD Camera Platform, our Precision C-Mount Arthroscope line will continue to provide best-in-class visualization for our customers.



Take A Better Look

IDEAL EYES Arthroscopes

Stryker is the image leader in high definition imaging with enhanced center to edge resolution for an unrivaled optical performance. Stryker's arthroscopes utilize the latest rod lens technology for optimal image transmission, excellent detail recognition and improved durability for long lasting performance.*



Eye Piece Arthroscopes:

- Designed to provide a high resolution picture while displaying the maximum amount of light available
- Easily attached to the camera coupler



Features & Benefits:

- Scopes are available in 0°, 30°, 45°, and 70° direction of view
- C-Mount and Eye-Piece scope options available
- Features Stryker's patented Speed-Lock

IDEAL EYES Small Joint Arthroscopes

Stryker offers a variety of small joint arthroscopes in the J-Lock and Speed-Lock mechanisms to meet each procedural need. The arthroscopes are available with C-mount or Eye Piece designs.

Features & Benefits:

- Enhanced center to edge resolution
- New magnetic drive design of the focus ring
- Autoclavable
- Available in 0°, 30°, 70° direction of view
- Available in sizes: 2.7 mm, 2.3 mm, 1.9 mm
- Optimal visualization meets excellent reliability

Cannulas

The Stryker Cannula series allows optimal flow into the surgical site coupled with lasting durability. A variety of options are available including the inflow/outflow cannula designed with two separate channels for inflow and outflow.

Features & Benefits:

- The Stryker High-Flow Series cannulas allow for optimal flow into the surgical site
- The cannulas are designed for versatility and strength with options available for each arthroscopic surgical procedure
- The cannulas offer both dual and single stopcocks and also feature the Speed-Lock technology allowing for ease of use when inserting or removing the arthroscope



Arthroscopy Operative & Diagnostic Hardware

Stryker offers a wide variety of arthroscopes featuring patented Speed-Lock technology for both standard and small-joint hardware. The improved cannulas have been designed for versatility and strength during joint procedures. Diameters offer acute performance and greater freedom of movement.

Features & Benefits:

- Speed-Lock bridge system adapts the 2.7 mm arthroscopes to an operative cannula
- Many small joint sizes available including High-Flow Series
- Available with single or double and fixed or rotating stopcocks
- Obturators are available in Pyramidal, Pencil, and Blunt tip styles
- Available in both Speed-Lock and J-Lock Mechanisms



Dual Stopcock with Speed-Lock



nprovements from the standard Stryker arthroscopes.



Reconstructive

Hips

Knees

Trauma & Extremities

Foot & Ankle

Joint Preservation

Orthobiologics & Biosurgery

MedSurg

Power Tools & Surgical Accessories

Computer Assisted Surgery

Endoscopic Surgical Solutions

Integrated Communications

Beds, Stretchers & EMS

Reprocessing & Remanufacturing

Neurotechnology & Spine

Craniomaxillofacial

Interventional Spine

Neurosurgical, Spine & ENT

Neurovascular

Spinal Implants

Stryker Endoscopy 5900 Optical Court San Jose, CA 95138 t: 1 800 624 4422

www.stryker.com

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