Innovation Through Integration
Complete Arthroscopy Solutions

Arthroscopy Solutions
• CrossFire 2 Integrated Resection and Energy System
• iSWITCH Wireless Footswitch
• Formula Cutters and Burs
• SERFAS Energy
• CrossFlow Integrated Arthroscopy Pump
• FloSteady SELECT Arthroscopy Pump
• Dri-Lok Cannulas
• Champion Small Joint Manual Instruments
• Conquest Manual Instruments
• Total Hip Arthroscopy Kit
• IDEAL EYES Scopes and Cannulas
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.

**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-specialty standardization is enabled through 9 dedicated surgical specialty settings. 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.

**SDF1000 Digital Printer**
The Stryker SDF1000 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 laminating feature, the SDF1000 creates durable, printed images that withstand 30 years of chemical exposure. The front-loading system allows for convenient access to the paper and ink rolls, minimizing the amount of space necessary for the placement of the SDF1000.

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.*

Features & Benefits:

- Stainless steel cutter tube
- New inner housing designed for more efficient resections, stronger torque, transmission, and reduced clogging*
- Fits 6.0, 5.5, and 5.0 mm sizing

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

Features & Benefits:
- All SERFAS probes are designed with a hand piece that provides both comfort and utility with multiple button functions, allowing the surgeon to operate the cut and coagulation modes as well as change the power settings on the system.
- The hand-controlled features provides an option to fully replace the need for a footswitch.
- The SERFAS Energy System offers both suction and non-suction probes.
- All probes are designed with a rigid shaft in order to prevent unwanted bending during aggressive use.
- Non-suction probes can be bent up to 45 degrees with the probe bender.
- All non-suction probes are designed with an integrated cable, allowing for easy case preparation and clean-up.
- Probes come equipped with a memory chip that contains specific optimized settings for each probe.
- Compatible with SERFAS Energy and CROSSFIRE consoles.

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

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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 cutters 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 LowFlow software enhances opti-mer 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 pump design
- Accu330 hand control
- 5 Programmable joint icons

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 Champion Small Joint Instruments:
- Set includes up, down, right, and left biter 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

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 biter 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
- Flared, micro-threaded, and distal threaded designs
- Color-coded for size
**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 obturcor 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, Obliterator and Firmar insertion devices
- Bridge options: 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

**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.

**Features & Benefits:**
- 180 mm working length
- New 5.0 mm cutter and 5.5 mm bur styles available

**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
- 180-degree up and straight biters
- Curvilinear, liberators, and range with featured 3-hole handle design
- Graspers are angled 80 degrees right and left, as well as straight
- 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.

**Features & Benefits:**
- Scopes are available in 0°, 30°, 45°, and 70° direction of view new light weight titanium design
- Superior ergonomics allowing for more precise focusing
- Minimized distance from light post to camera head
- Features Stryker's patented Speed-Lock technology

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**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

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**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

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**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:**
- For Stryker High-Flow Series cannulas new for optimal flow into the surgical site
- New widths are designed for versatility and strength with options available for each arthroscopic surgical procedure
- For 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 arthroscope to an operative cannula
- Many small joint sizes available including High-Flow Series
- Available with single or double fixed or rotating stopcocks
- Available in a variety of Pyramidal, Pencil, and Blunt tip styles
- Available in both Speed-Lock and J-Lock Mechanisms

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*Improvements from the standard Stryker arthroscopes.