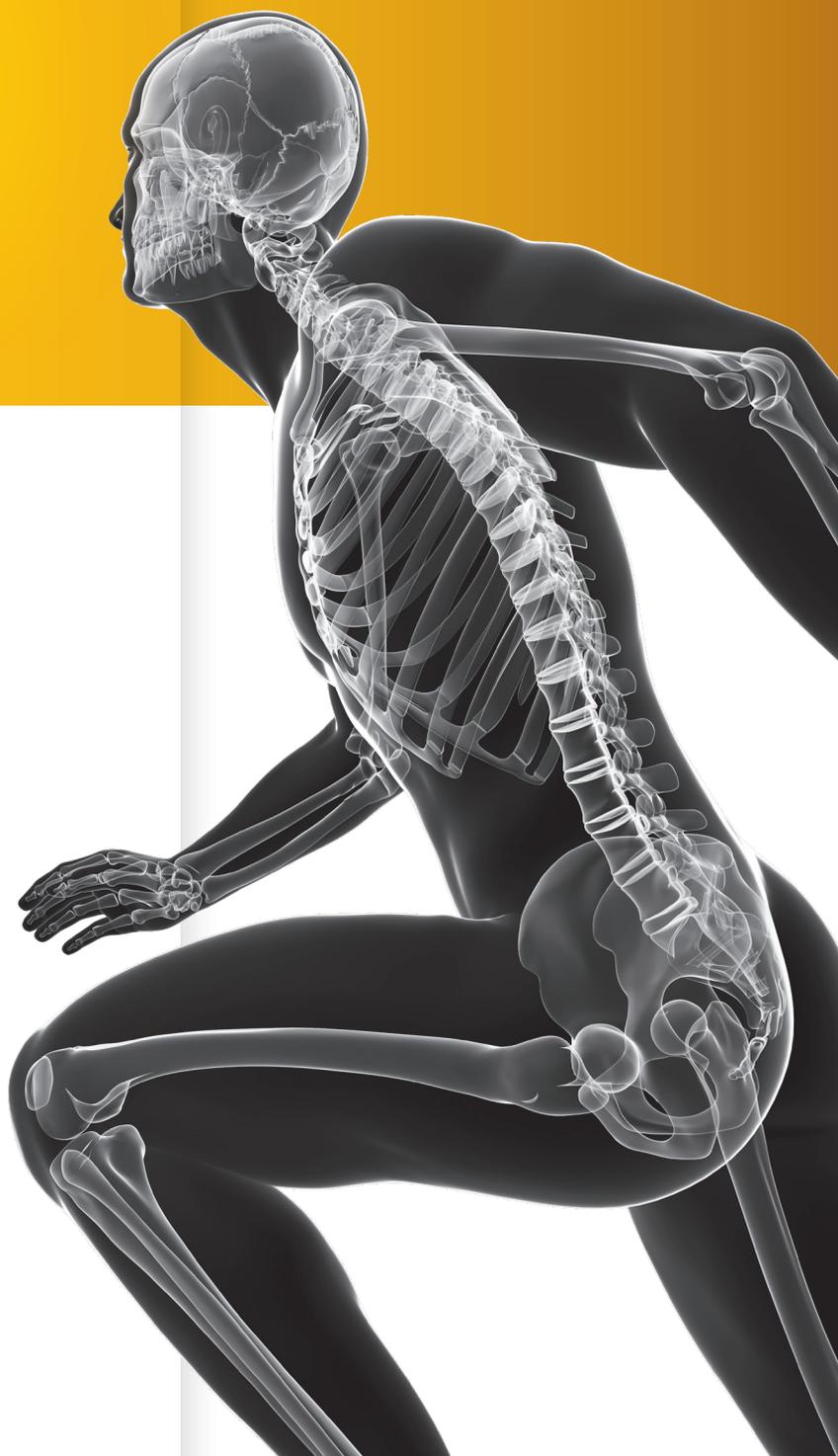


stryker

Complete Arthroscopy

Solution



Innovation through integration

CrossFire 2

The CrossFire 2 Resection Console combines two-in-one RF and shaver functionality with a universal footswitch.



Features & benefits

- Saves space in the OR with a two-in-one console and footswitch.
- ReconiSense technology allows the CrossFire 2 to integrate with our CrossFlow Arthroscopy Pump, optimising suction and flow rates per disposable.
- The integrated foot pedal controls SERFAS Energy Probes, Formula Shaver Handpieces, and CrossFlow Arthroscopy Pump features.

CrossFlow with ReconiSense TC

Stryker's CrossFlow Integrated Arthroscopy Pump provides users with a simple to use interface with temperature monitoring and mitigation.



Features & benefits

- Temperature Monitoring: ReconiSense TC utilises the integration between the CrossFlow arthroscopy pump and the CrossFire 2 resection console to determine the temperature state of the joint space 95% accurate within $\pm 4.63^{\circ}\text{C}^1$.
- Temperature Mitigation: When the CrossFlow recognises the temperature state of the joint is increasing, it will increase suction and flow rates to turn over fluid in the joint faster².

ReconiSense TC technology

Through RFID technology, the CrossFlow is designed to integrate with Stryker cutters, burs, and SERFAS Energy probes to provide more consistent visualisation to debride bone and soft tissue.



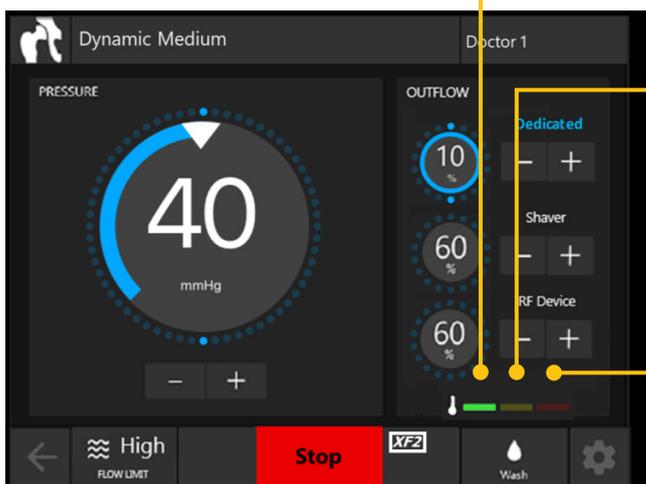
SERFAS Energy Probes

Formula Shavers

Both the CrossFire 2 and CrossFlow can be enabled through one integrated foot pedal or hand controls.

Temperature Control Technology

ReconiSense TC can monitor total joint temperature and mitigate joint temperature through the CrossFlow Pump.



Green: The joint space is a safe temperature and no mitigation is necessary.



Yellow: The CrossFlow's suction is increased to turn over the fluid in the joint faster. This state is well within safe operating conditions.



Red: The software will shut off the power to the RF probe, to prevent dangerous condition, until fluid temperatures in the joint are lowered.

Shaver solutions

Formula Shaver Handpieces

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

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

The Formula Shaver handpiece provides a second option for button placement while allowing the ability to control the buttons and suction simultaneously.

The Small Joint Shaver allows for access into tighter areas and is operated by foot control.



CrossBlade Series Cutters

CrossBlade series cutters are designed to maximise cutting performance through:

- Laser cutting the inner housing to produce sharper edges to aid with cut speed and control
- A proprietary case hardening treatment that is designed to be more resistant to flaking and stay sharper longer.⁴
- Opposing shear angles designed to increase soft tissue cutting efficiency and reduce tissue wrapping.⁵
- Optimising the size of cutter window size, shape, and tooth geometry to increase resistance to clogging.⁶

Speed ← → Control



Tomcat HC



Aggressive Max



Bursector



Dual Edge



Smooth Bite

Formula Shavers and Burs

Stryker's complete shaver and bur line offers a variety of window styles and sizes to accommodate your procedural needs including small joint, angled, and XL length cutters and burs.



High performance ablation and coagulation

SERFAS Energy Platform

Utilising the CrossFire 2 Resection Console, the SERFAS energy platform encompasses a variety of probes in standard, hip, and small joint lengths that have been optimised for specific procedures.

90-S Cruise

This specialty probe is designed to optimise ablation and coagulation capabilities.



Optimised electrode design⁷

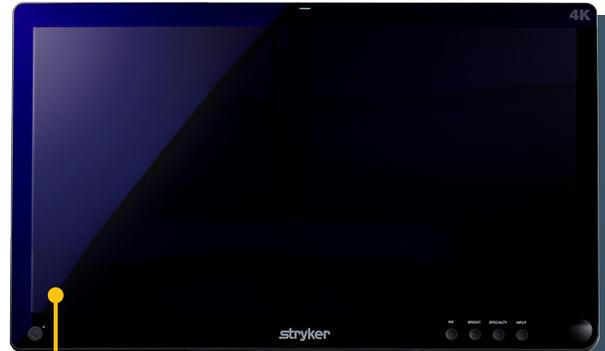
- Designed for quicker plasma generation at lower impedances allowing the probe to achieve high ablation rates.
- The thin active electrode is designed to produce less heat at greater mass ablation rates.
- The enlarged suction area is designed for a high flow rate and reduced clogging.



4K Arthroscopy platform

1688 4K AIM Platform

The 1688 Advanced Imaging Modalities (AIM) visualisation system brings together real-time imaging of anatomy with automated light control.



Brilliant 4K Display

Consistently bright, crystal-clear images.

The Hub

Control your entire visualisation system from the camera head. Allows for streaming, capture, recording, and printing in 4K.



CrossFlow Arthroscopy Pump

with ReconiSense TC.



CrossFire 2 Resection Console

Operate Formula Shaver and SERFAS RF probe with one console.



1688 4K AIM Camera Control Unit

Powerful and versatile CCU adapts to multiple specialties to fit your needs. Video and image capture, zoom, brightness and the light source can all be adjusted with the 1688 camera head.



L11 LED Light Source with AIM

Innovated to maintain consistent lighting in posterior compartments with automatic light adjustment.



SDP1000 Digital Colour Printer

Print from 4K or HD.



Platform versatility

Console Customiser App

Stryker's Console Customiser App allows the user to work directly with their Stryker Sales Representative to create surgeon profiles containing individualised pump, shaver and RF probe settings directly from their iPad. The application can customise CrossFlow and CrossFire 2 settings including: joint pressure/flow, shaver and RF settings, onscreen displays, and footswitch/hand control settings for surgeon profiles. This enables the nursing staff to select preferred settings for each user at the touch of a button on the CrossFlow Arthroscopy Pump.



Cutter & Bur part numbers

CrossBlade Series Cutters



Dual Edge



Tomcat HC



Aggressive Max



Smooth Bite



Bursector

(5/box)

	3.5 mm	4.0 mm	5.0 mm	5.5 mm
Dual Edge	0475331000	0475341000	—	0475361000
Tomcat HC	—	0475345000	0475355000	—
Aggressive Max	0475337000	—	—	—
Smooth Bite	0475333000	—	—	—
Bursector	—	0475541000	—	0475561000

Formula Series Cutters



Resector



Aggressive Plus



Tomcat



Scalloped



Cougar End



End Cutter



Double Bite



Slotted Whisker



Whisker

(5/box)

	3.5 mm	4.0 mm	5.0 mm	5.5 mm
Resector	0375532000	0375542000	0375552000	0375562000
Aggressive Plus	0375534000	0375544000	0375554000	0375564000
Tomcat	0375535000	0375545000	0375555000	0375565000
Scalloped	—	0375546000	—	—
Cougar End	—	0375541000	—	—
End Cutter	—	0375747000	—	—
Double Bite	—	0375543000	—	—
Slotted Whisker	—	0375548000	—	—
Whisker	—	0375549000	—	—

Angled (5/box)

	4.0 mm	4.5 mm	5.0 mm
Resector	—	0380542150	—
Aggressive Plus	0380544100	0380544150	0380554100
Tomcat	0380545100	0380545150	0380555100
Scalloped	—	0380543150	—

Formula Series Burs



12-Flute Barrel



12-Flute Round



6-Flute Barrel



6-Flute Round



Unhooded Barrel



Unhooded Round



Egg Burr

(5/box)

	3.5 mm	4.0 mm	5.0 mm	5.5 mm
Standard 12-Flute Barrel	—	0375941012	0375951112	0375951012
Standard 12-Flute Round	—	0375940012	0375950112	0375950012
Aggressive 6-Flute Barrel	—	0375941000	0375951100	0375951000
Aggressive 6-Flute Round	0375930000	0375940000	0375950100	0375950000
Unhooded 6-Flute Barrel	—	0375941200	—	0375951200
Unhooded 6-Flute Round	—	0375940200	—	0375950200
Egg Bur 6-Flute	—	—	—	0375952000



6-Flute SLAP Bur



Auger Bur



Subchondral Drill



6-Flute Left Helix Barrel Bur



12-Flute Left Helix Barrel Bur

Speciality (5/box)

	Part Number	Outer Diameter
6-Flute Slap	0375941500	4.0 mm
Auger Bur	0375450500	5.0 mm
Subchondral Drill (1.5 mm Drill Trip)	0375832000	4.0 mm
6-Flute Left Helix Barrel Bur	0375953000	5.5 mm
12-Flute Left Helix Barrel Bur	0375953012	5.5 mm

Hip Length Cutters and Burs

(5/box)

	Part Number	Outer Diameter
Angled Aggressive Plus, Long Hip Cutter	0375450500	4.0 mm
Tomcat, Long Hip Cutter	0385545000	4.0 mm
Angled Tomcat, Long Hip Cutter	0385545100	4.0 mm
Straight Aggressive Plus, Long Hip Cutter	0385554000	5.0 mm
Straight Resector, Long Hip Cutter	0385552000	5.0 mm
Long Hip 8-Flute Pear Bur	0385943000	4.0 mm
Long Hip 8-Flute Pear Bur	0385953008	5.5 mm
Long Hip 8-Flute Round Bur	0385950008	5.5 mm
Long Hip 8-Flute Barrel Bur	0385951008	5.5 mm
Crossblade Diamond Hip Bur	0385840000	4.0 mm
Crossblade Diamond Hip Bur	0385860000	5.5 mm

Formula Small Joint Cutters and Burs

(5/box)

	2.0 mm	2.5 mm	3.0 mm	3.5 mm
Hooded Abrasion Bur	0375641000	—	0375647000	—
Aggressive Plus Cutter	—	0375628000	—	0375638000
Full Radius Cutter	—	0375627000	—	0375637000
Tomcat Cutter	—	—	—	0375636000

TPS Small Joint Cutters and Burs

(5/box)

	2.0 mm	2.5 mm	3.0 mm	3.5 mm
Small Joint Hooded Abrasion Bur	0275641000	—	0275657000	—
Small Joint Aggressive Cutter	—	0275628000	—	0275638000
Small Joint Full Radius Cutter	—	0275627000	—	0275637000

SERFAS Energy Probes

All probes come with integrated cable and hand controls



90-S Cruise



90-S Accelerator



90-S Max



90-S



Aardvark



50-S Sweep+

Suction Probes

Part Number	Outer Diameter	Length	Product Name
0279401200	4.0 mm	135 mm	90-S Cruise
0279351400	4.0 mm	135 mm	90-S Accelerator
0279401100	4.0 mm	135 mm	90-S Max
0279351100	3.5 mm	135 mm	90-S
0279350502	3.5 mm	180 mm	90-S XL
0279251101	2.5 mm	135 mm	Aardvark
0279351250	3.5 mm	135 mm	50-S
0279351235	3.5 mm	180 mm	50-S XL
0279351230	3.5 mm	135 mm	30-S
0279351650	3.5 mm	135 mm	50-S Sweep+
0279351653	3.5 mm	180 mm	50-S Sweep+ XL

Non-Suction Probes

Part Number	Outer Diameter	Length	Product Name
0279350401	3.5 mm	135 mm	Direct
0279350201	3.5 mm	135 mm	Lat
0279350301	3.5 mm	135 mm	Contour
0279350501	3.5 mm	135 mm	Hook
0279351103	3.5 mm	180 mm	Hook XL

Small Joint Probes

Part Number	Outer Diameter	Length	Product Name
0279250101	2.5 mm	135 mm	Mirco-Claw
0279250201	2.5 mm	135 mm	Mirco-Brush
0279251101	2.5 mm	135 mm	Aardvark

Arthroscopy Platform Part Numbers

Product Description	Part Number
CrossFlow Integrated Arthroscopy Pump	0450000000
CrossFlow Footpedal	0450000500
CrossFlow Inflow cassette Tubing (Box of 10)	0450000100
CrossFlow Outflow cassette Tubing (Box of 10)	0450000200
CrossFlow Integrated cassette Tubing (Box of 6)	0450000300
Day-Use Tubing (Box of 10)	0450000115
Patient-Use Tubing (Box of 10)	0450000125
Formula 180 Shaver Handpiece (with buttons)	0375708500
Formula Shaver Handpiece (without buttons)	0375701500
Formula Shaver Handpiece (with buttons)	0375704400
TPS Small Joint Shaver Handpiece	0375601500
Firewire cable	600001020
Integrated footswitch	0475000100
Crossfire 2 Console	0475100000
4K 32" Surgical Display	0240031050i
Connected OR HUB	0240200100i
1688 Camera Control Unit (CCU)	1688-010-000i
1688 Camera Head, C-Mount	1688-210-105i
1688 Camera Head and Coupler Kit	1688-210-122i
1688 Camera Head with Integrated Coupler	1688-610-122i
L11 LED Light Source with AIM	0220230300i
SDP1000 Digital Colour Printer	0240080230i
Micro Cart	0351600000

References

1. Stryker TR19389. Data on file.
2. Stryker FS10277. The specifications that control this functionality are TR18990, TR19390 (A150.10, A150.20). Data on file.
3. BZD14241. Data on file.
4. Fulcrum Particle Generation Test: TP11189 & Data: DHD12753. Data on file. Under test lab conditions when compared to Stryker Formula series.
5. Ligament Consumption Test: TP11560 & Data: TR15927, DHFD11511, DHD13110, TR16038. Data on file. Under test lab conditions when compared to Stryker Formula series.
6. Dual Mode Clogging Test: TP10415 & Data: DHD13100, TR16038. Data on file. Under test lab conditions when compared to Stryker Formula series.
7. Stryker DHFD11973. Data on file. Under test lab conditions when compare to Stryker 90-S Accelerator.

Sports Medicine

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A healthcare professional must always rely on his or her own professional clinical judgment when deciding whether to use a particular product when treating a particular patient. Stryker does not dispense medical advice and recommends that healthcare professionals be trained in the use of any particular product before using it in surgery.

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