

Quality is our priority

STAR Product Catalogue



ARTHROSCOPIC EQUIPMENTS

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Company Introduction



STAR Sports Medicine is a manufacturer of innovative sports medicine products that offers integrated clinical solutions. Our CFDA-approved complete range of products is present across 2000+ hospitals in China.

With all the domestic achievements, and a variety of products from titanium, PEEK, all-suture to bio-absorbable, a full arthroscopic tower, all CE certified, we were ready to introduce our solutions to the international market in order to satisfy the needs of orthopedic surgeons and patients globally.

Our innovation and products development are based on direct collaborations with surgeons and experts. We are proud to obtain more than 130 invention patents up until now, we are dedicated to ensure that quality and service is our top priority.

We are committed to driving innovation in cutting-edge technologies, with a strong focus on research and development to ensure we remain at the forefront of medical advancements. Market-wise STAR Sports Medicine is one of the leading Chinese companies in the domestic market and rapidly emerging company in the global market.

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STAR SPORTS
MEDICINE

Imaging System
4K Systems

Imaging System
4K Systems

4K All-in-one
Integrated System



► Specifications

4K All-in-one Integrated System	
4K Display	
Display Scale	16:9
Available display size	26"/32"
Camera	
Resolution	3840x2160P (4K)
Minimum illumination	≤0.5Lux
White balance	Manual
Light source	
Light type	LED
Color temperature	5000-7000K
Illuminance level	≥700,000 Lux
Color Rendering Index (CRI)	≥90
Cable length	3m
Recording	
Recording format	MP4
Picture capture	JPG
Operation	Freeze image / instant replay
Storage Medium	
External storage	USB
System	
Control method	Remote
Output mode	HDMI

► Order Information

Model	Code	
4K01-102(B)	F46260010	26 inch, 4K all-in-one integrated system (display, camera, light source, recording system, optical adapter, remote control, power cable, flash disk)
4K01-101(B)	F46320011	32 inch, 4K all-in-one integrated system (display, camera, light source, recording system, optical adapter, remote control, power cable, flash disk)

Imaging System
4K Systems

4K Display

3-in-1 Split System



LED Light Source Cable



► Order Information

Basic Package		
Model	Code	Description
4K-A1-101(B)	F46030004	4K 3-in-1 split system (camera, light source and recording system)
/	W46003201	4K LCD Monitor, 32 inch
4K-CH01	F46001006	4K camera head with hand control for 4K split system
4K-A25	F46001007	25mm optical adapter for 4K integrated and split, fixed focus
OR	OR	OR
4K-A28	F46001008	28mm optical adapter for 4K integrated and split, fixed focus
SG01	F46001009	LED light source cable, 4mm × 3000mm
Optional Add-On		
/	W46003202	20-35mm optical adapter for 4K integrated and split, zoom

Imaging System
4K Systems

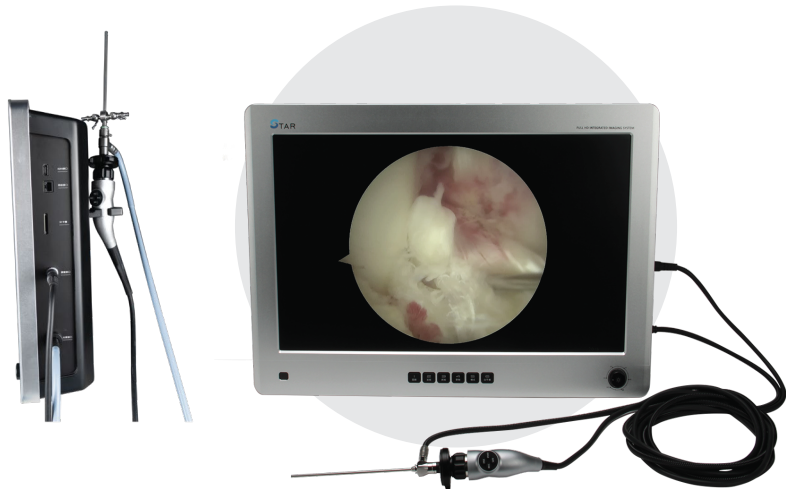
► Specifications

4K 3-in-1 Split System	
Camera	
Resolution	3840x2160P (4K)
Minimum illumination	≤0.5Lux
White balance	Manual
Light source	
Light type	LED
Color temperature	5000-7000K
Illuminance level	≥700,000 Lux
Color Rendering Index (CRI)	≥90
Recording	
Recording format	MP4
Picture capture	JPG
Operation	Freeze image / instant replay
Storage Medium	
External storage	USB
System	
Control method	Remote
Output mode	HDMI/DVI

Imaging System
HD Systems

Imaging System
HD Systems

HD All-in-one
Integrated System



Order Information

Model	Code	Description
IS20	F13150002	15 inch, HD all-in-one integrated system (display, camera, light source, recording system, optical adapter, remote control, power cable, SD card)
IS30	F13220002	22 inch, HD all-in-one integrated system (display, camera, light source, recording system, optical adapter, remote control, power cable, SD card)
IS40	F13260002	26 inch, HD all-in-one integrated system (display, camera, light source, recording system, optical adapter, remote control, power cable, SD card)
IS50	F13320001	32 inch, HD all-in-one integrated system (display, camera, light source, recording system, optical adapter, remote control, power cable, SD card)

Specifications

HD All-in-one Integrated System	
HD Display	
Display Scale	16:9
Available display size	15"/22"/26"/32"
Camera	
Resolution	1920x1080P (HD)
Imaging sensor	1/2 inch CMOS sensor
Minimum illumination	≤1 Lux
Electronic shutter	Auto
White balance	Manual/Auto
Backlight compensation	Auto
Fiber optics length	3m
Light source	
Light type	LED
Color temperature	3000-7000K
Brightness	1000lm
Color Rendering Index (CRI)	≥90
Cable length	3m
Recording	
Recording format	H.264, 1920x1080 (HD)
Picture capture	JPEG
Operation	Freeze Image / Instant Replay
Storage Medium	
External storage	USB
System	
Control method	Keyboard / Remote
Electromagnetic compatibility	IEC60601-1-2
Compliance standards	IEC60601-1 GB9706.1-2020

Imaging System
HD Systems

Imaging System
HD Systems

3-in-1 Split System



HD Display



LED Light Source Cable



► Specifications

HD 3-in-1 Split System	
Camera	
Resolution	1920x1080P (HD)
Minimum illumination	≤0.5Lux
Water resistance	IPX7
Signal-to-noise ratio	50dB-20%, upper limit not included
Still image tolerance	100-20%, upper limit not included
Light source	
Light type	LED
Color temperature	5000-7000K
Brightness	700lm -20%, upper limit not included
Color Rendering Index (CRI)	≥90
Adjustment	Knob brightness adjustment
Recording	
Recording format	MP4
Picture capture	JPG
Operation	Freeze, capture, record, white balance and more
System	
Control method	Remote
Output mode	HDMI/DVI

► Order Information

Basic Package		
Model	Code	Description
HD-01-101(B)	F13010010	HD 3-in-1 split system (camera, light source and recording system)
/	W13012701	27 inch, HD LCD Monitor
IS40-S	F13000014	HD camera head with hand control for HD integrated and split
IS40-A22	F13000013	22mm optical adapter for HD integrated and split, fixed focus
SG01	F46001009	LED light source cable, 4mm × 3000mm
Optional Add-On		
/	R03400028	35mm optical adapter for HD integrated and split, fixed focus
/	R03400090	18-35mm optical adapter for HD integrated and split, zoom

Imaging System

Arthroscope Sets

Imaging System

Arthroscope Sets

Arthroscope



Obturator



Lens Sheath



Order Information

Model	Ordering Code	Product Code	Description
30° Arthroscope Set, 175mm, High Flow Rate			
AP3001	F20000002	21.0008a	Arthroscope, 30°, 4.0mm × 175mm, autoclavable
/	F20000015	21.0361a	Lens sheath, 4.0mm (min) - 6.5mm (max) diameter, 145mm, high flow rate
SA4201	F20000010	21.0363a	obturator, 4.2mm (max) diameter, 180mm, blunt tip
30° Arthroscope Set, 175mm			
AP3001	F20000002	21.0008a	Arthroscope, 30°, 4.0mm × 175mm, autoclavable
/	F20000017	21.0360a	Lens sheath, 4.0mm (min) - 6.0mm (max) diameter, 175mm
SA4201	F20000012	21.0238a	obturator, 4.2mm (max) diameter, 180mm, blunt tip
70° Arthroscope Set, 175mm, High Flow Rate			
AP7001	F20000003	21.0011a	Arthroscope, 70°, 4.0mm × 175mm, autoclavable
/	F20000015	21.0361a	Lens sheath, 4.0mm (min) - 6.5mm (max) diameter, 145mm, high flow rate
SA4201	F20000010	21.0363a	obturator, 4.2mm (max) diameter, 180mm, blunt tip
70° Arthroscope Set, 175mm			
AP7001	F20000003	21.0011a	Arthroscope, 70°, 4.0mm × 175mm, autoclavable
/	F20000017	21.0360a	Lens sheath, 4.0mm (min) - 6.0mm (max) diameter, 175mm
SA4201	F20000012	21.0238a	obturator, 4.2mm (max) diameter, 180mm, blunt tip
30° Arthroscope Set, 110mm			
AP3005	F20000005	31.0007a	Arthroscope, 30°, 2.7mm × 110mm, autoclavable
/	F20000016	31.0631a	Lens sheath, 2.7mm (min) - 3.4mm (max) diameter, 110mm
/	F20000011	21.0629a	obturator, 2.7mm (max) diameter, 110mm, blunt tip
70° Arthroscope Set, 110mm			
AP7003	F20000006	31.0009a	Arthroscope, 70°, 2.7mm × 110mm, autoclavable
/	F20000016	31.0631a	Lens sheath, 2.7mm (min) - 3.4mm (max) diameter, 110mm
/	F20000011	21.0629a	obturator, 2.7mm (max) diameter, 110mm, blunt tip

Fluid Pump System
Single and Disposable Pump

Other Equipments
and Spare Parts

StarFluxum



DispoFlow
Disposable pump



► Order Information

Model	Code	Description
DR-01	F65000001	DispoFlow, disposable pump, I-type inlet tube
DR-02	F65000002	DispoFlow, disposable pump, Y-type inlet tube
JRG-1 110V	JGC300-110V	StarFluxum, 110V
JRG-1 220V	JGC300-220V	StarFluxum, 220V
/	JG200-01	Single-use tube
/	JRG100-01	Reusable tube

► Order Information

Model	Ordering Code	Product Code	Description
TC-001	F14300002	/	Trolley, 750mm × 760mm × 1222mm
/	R03400030	R03400030	Power cable
/	F13000007	R03400020	Remote control for 4K/HD integrated and split system

Shaver System
Console

Shaver System
Console



► Specifications

Shaver System	
Console	
Type	SV-100
Voltage	48V
Frequency	50/60Hz
Weight	6.85kg
Dimension	375mm × 335mm × 120mm
Working temperature	10°C~40°C
Storage & shipment temperature	-20°C+45°C
Handpiece	
Length	187mm
Weight	0.45kg
Range of speed	800-8000r/min
Cable length	3m
Stream sterilization	Hydrogen peroxide low-temp plasma sterilization at 121°C/30min
Water resistance	IPX8
Footswitch	
Size	423mm × 208mm × 49mm
Weight	1.75kg
Cable length	3m
Water resistance	IPX8

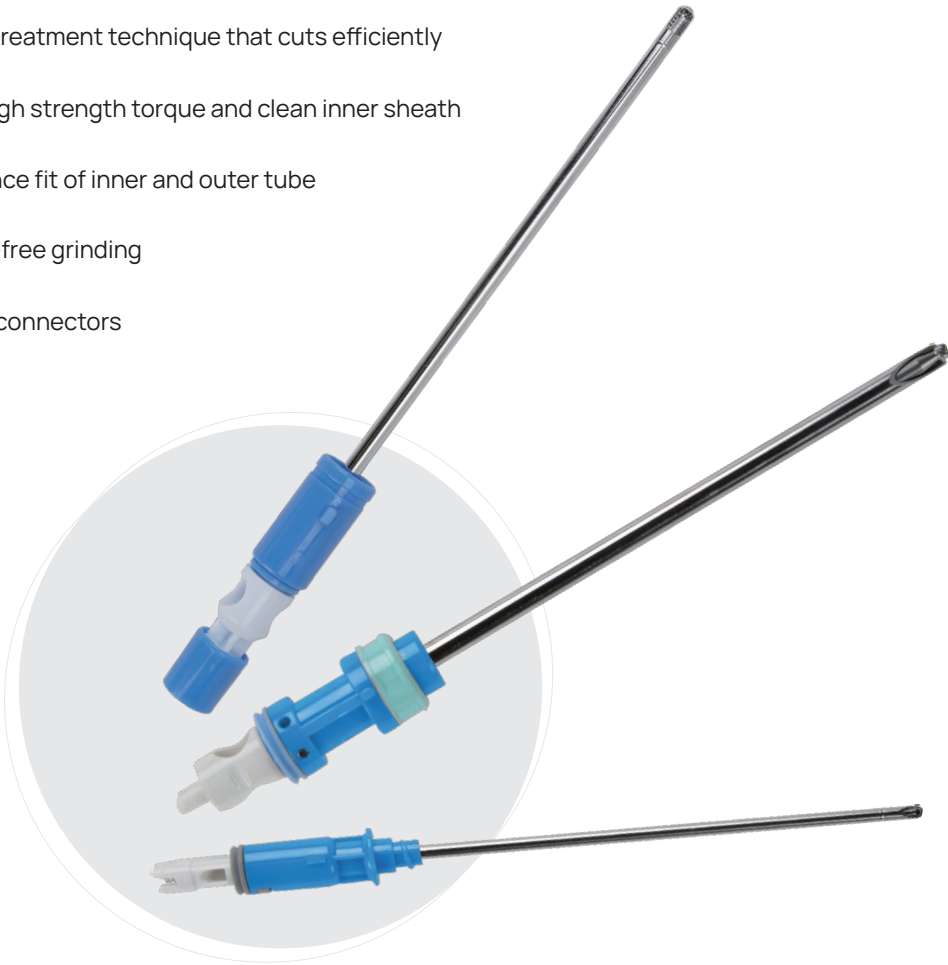
► Order Information

Model	Code	Description
SV-100	F10100012	Shaver system, console
SV-100A	F10100014	Shaver system, handpiece
SV-100F	F10100013	Shaver system, footswitch
/	R03000029	Power adapter (for shaver and plasma system)

Shaver System

Shaver Blade Connectors

- ☆ STAR unique edge treatment technique that cuts efficiently
- ☆ Laser welding for high strength torque and clean inner sheath
- ☆ Micron-level tolerance fit of inner and outer tube
- ☆ Durable and debris-free grinding
- ☆ Available in various connectors



STAR Shaver System
Conmed/Linvatec Compatible



Smith&Nephew Compatible



Stryker Compatible

Power Shaver Blades



- The most aggressive blade from STAR ☆
- Large window for precise excision ☆

Model	Code	Description
BB01SS	F09000003	STAR/Conmed/Linvatec compatible, power blade, 3mm × 148mm
BB01SS	F09028838	STAR/Conmed/Linvatec compatible, power blade, 4mm × 187mm
BB01SF	F09000004	Smith&Nephew compatible, power blade, 3mm × 148mm
BB01SF	F09055837	Smith&Nephew compatible, power blade, 4mm × 193mm
BB01ST	F09000002	Stryker compatible, power blade, 3mm × 148mm
BB01ST	F09028839	Stryker compatible, power blade, 4mm × 187mm



Round Tip Shaver Blades

- Sharp and powerful resection ☆
- Round tip with teeth on both sides ☆
to protect surrounding tissues

Model	Code	Description
BE03SS	F09034418	STAR/Conmed/Linvatec compatible, round tip blade, 4mm × 187mm
BE03SF	F09061417	Smith&Nephew compatible, round tip blade, 4mm × 193mm
BE03ST	F09007419	Stryker compatible, round tip blade, 4mm × 184mm

Synovial Shaver Blades

- ☆ Flat incision surface for a concentrated soft tissue excision
- ☆ Double cutting window in inner tube, shallow incision



Model	Code	Description
BA07SS	F09027578	STAR/Conmed/Linvatec compatible, synovial blade, 4mm × 187mm
BA07SF	F09027577	Smith&Nephew compatible, synovial blade, 4mm × 193mm
BA07ST	F09000579	Stryker compatible, synovial blade, 4mm × 187mm

Crescent Shaver Blades

- ☆ Flat incision surface, wide range of use
- ☆ Large cutting window for end/lateral cutting



Model	Code	Description
BD02SS	F09032528	STAR/Conmed/Linvatec compatible, crescent blade, 4mm × 187mm
BD02SF	F09059527	Smith&Nephew compatible, crescent blade, 4mm × 193mm
BD02ST	F09005529	Stryker compatible, crescent blade, 4mm × 184mm

Ball-type Burr



- Forward rotation for effective bone removal ☆
- Reverse rotation for bone surface polishing ☆
- 12-edged spherical design for a well-controlled resection ☆

Model	Code	Description
BL13SS	F09047945	STAR/Conmed/Linvatec compatible, ball-type burr, 5.5mm × 187mm
BL13SF	F09074944	Smith&Nephew compatible, ball-type burr, 5.5mm × 193mm
BL13ST	F09020946	Stryker compatible, ball-type burr, 5.5mm × 184mm

Cylinder-type Burr



- Forward rotation for effective bone removal ☆
- Reverse rotation for bone surface polishing ☆
- 12-edged spherical design for a well-controlled resection ☆

Model	Code	Description
BL14SS	F09048035	STAR/Conmed/Linvatec compatible, cylinder-type burr, 5.5mm × 187mm
BL14SF	F09075034	Smith&Nephew compatible, cylinder-type burr, 5.5mm × 193mm
BL14ST	F09081001	Stryker compatible, cylinder-type burr, 5.5mm × 184mm

Plasma RF Ablation System Console



Order Information

Model	Code	Description	Specification
RF100	F12000103	Plasma RF - Console	-
/	F12000104	Plasma RF - Footswitch	-

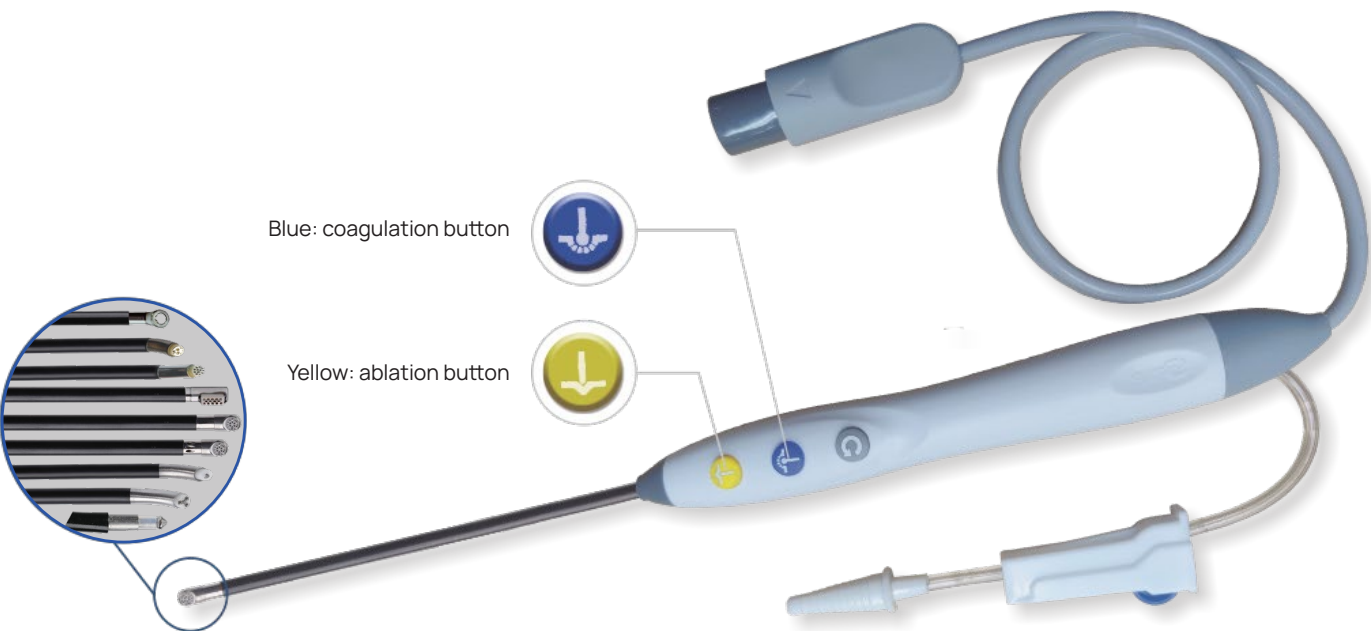
Plasma RF Ablation System Console

Specifications

Plasma RF Ablation System	
Console	
Model	RF100
Dimension	430mm × 400mm × 110mm
Input range	110-240V
Working frequency	100kHz
Output range	0-300V _{rm}
Max. output power	400W@200Ω
Mode	Excision, ablation, and coagulation
Vaporization, ablation, excision gears	Adjustable from 1 to 9 gears
Coagulation gears	1st gear, 2nd gear
Rated maximum output power for vaporization, ablation, and cutting modes	400W
Display	Touch screen
Fault alarm	Prompt fault code
Automatic configuration of electrodes	Automatic configuration of output gears and power according to electrode type
Multiple control methods	Host/electrode/foot pedal
Automatic error detection	The host has a self-test and error alarm function, and the host LED screen can display error codes
Arthroscopic protection function	Automatic output limitation when electrode touches metal
Timer function	Countdown working mode can be selected
Low temperature control	Working temperature 40-70°C, no carbonization on the trauma surface, little damage to the surrounding tissues
Bipolar application	No negative plate and neutral electrode required

Plasma RF Ablation System
Plasma RF Wands

- ☆ CE CE certified
- ☆ Variety of electrode tips
- ☆ Ergonomic handle and safe bipolar design
- ☆ Suitable for shoulder, knee, hip, and more
- ☆ Excellent cutting and coagulation function, rapid soft tissue ablation
- ☆ Full manual button design for both coagulation and ablation



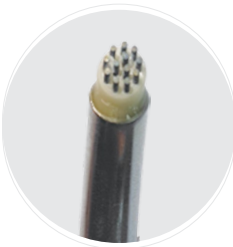
Plasma RF Ablation Wands
without Suction



F11101011

Hook Electrode

- ☆ Very high cutting efficiency
- ☆ Fine incision to remove large amount of soft tissue



F11102011

Meniscus Electrode

- ☆ Extremely high ablation efficiency
- ☆ Very effective for large area ablation and cleaning



F11103011

Ablation Electrode

- ☆ Very high ablation efficiency
- ☆ Effective for large area ablation and cleanup, local stump and synovial cleaning



F11104015

Small Joint Electrode

- ☆ Specifically designed for minimally invasive surgeries
- ☆ Enables rapid and accurate peeling of soft tissue adhesions

► Order Information

Model	Code	Description	Specification	Picture
A0101	F11101011	Hook Electrode	3.4x135x30°	
A0201	F11102011	Meniscus Electrode	3.4x135x30°	
A0301	F11103011	Ablation Electrode	4.5x135x90°	
A0401	F11104015	Small Joint Electrode	1,4x100x30°	

Plasma RF Ablation Wands with Suction

- ☆ Large area coagulation
- ☆ Large scale soft tissue ablation
- ☆ Cartilage clearing and shaping



F11201111



F11203111



F11202111

► Order Information

Model	Code	Description	Specification	Picture
B0111	F11201111	Coagulation Electrode 1	3.8x135x90°	
B0211	F11202111	Coagulation Electrode 2	3.8x135x41°	
B0311	F11203111	Coagulation Electrode 3	3.8x135x30°	

Notes



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