

MICROSURGICAL INSTRUMENTS

www.TAKAYAMAmicro.com





Dr. Hiroyasu Kamiyama
Department of
Neurosurgery, Stroke
Center, Teishinkai
Hospital, Sapporo Japan

Kamiyama Series

Dr. Hiroyasu Kamiyama is well known as the pioneer of cerebral bypass surgery. With over forty years of experience in cerebrovascular surgery, Dr. Kamiyama is considered an expert in aneurysm clipping and cerebrovascular reconstruction. In April 2012, the KAMIYAMA School of Neurosurgery, Cerebrovascular and Skull Base Surgery was established at Teishinkai Hospital located in Sapporo, Japan. Dr. Kamiyama now enthusiastically dedicates his time and vast experience as he trains future neurosurgeons who will succeed him.

The Kamiyama series of instruments were developed based upon his experiences.

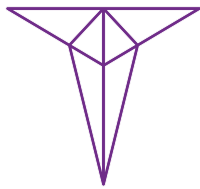


Dr. Rokuya Tanikawa
Department of
Neurosurgery, Stroke
Center, Teishinkai
Hospital, Sapporo Japan

Super Bypass Series

Until the development of the Super Bypass instrument series, our standard platform-tipped forceps occasionally disturbed the flow of the procedures, because the tip lacked a slip-resistant surface. Despite our standard forceps' acceptable performance in most cases, many times I was forced to adjust the forceps' grip on the suture or the needle as I lost control of it. By extending the platform length to 7mm and 10mm and changing the metallic chemistry of the tips, we have created forceps with superior grip. The Super Bypass forceps provide ultimate control to surgeons, especially in procedures where manipulation of sutures in narrow, deep areas is limited to single directional movement. We can now perform P2 bypass and basilar artery anastomosis using the long, straight Super Bypass instruments. The bayoneted version, on the other hand, further moderates the challenge of suturing in tight quarters under the surgical microscope.

Rokuya Tanikawa



TAKAYAMA INSTRUMENT

TAKAYAMA INSTRUMENT. Inc.

OVER A CENTURY OF PRODUCING QUALITY SURGICAL INSTRUMENTS

TAKAYAMA Instrument, Inc. was founded in 1905 in Tokyo, Japan. For over 100 years TAKAYAMA has produced the highest quality surgical instruments.

HISTORICAL SIGNIFICANCE

The Japanese Samurai sword is world famous for the strength, cutting ability, and quality of it's blade. At the end of the 18th century, Shogun Tokugawa assembled some of his master craftsman and focused them on making surgical instruments. Experience handed down from craftsman to craftsman, TAKAYAMA is the surviving entity from those ancient artists in metal fabricating. Today, TAKAYAMA is the only company that can produce a concave blade with a cutting edge similar to the swords that were integral to Japan's development as a world leader. TAKAYAMA is honored to preserve the quality first produced by the ancient craftsmen.

MAINTAINS "HANDMADE" QUALITY

TAKAYAMA maintains ISO9001, ISO13485 as a global manufacturer but also as an OEM supplier for major medical manufacturers.

ADVANCED MACHINE

Utilizing the most advanced machine tools from Japan, the US, Switzerland and Germany combined with complimentary hand craftsmanship, superior products are guaranteed even on mass production.

QUALITY. ERGONOMICS. UTILITY.

There are many manufactures of forceps and scissors. Hence there are many levels of quality, ergonomics and utility. Some TAKAYAMA Instruments are unique in appearance, but once used, the experience exceeds expectations.

WiSM Wellnes Information
Science Medicine

MUTOH *Since 1918*
MUTOH America Co., Ltd.

MUTOH America Co., Ltd.

MUTOH America Co., Ltd. founded 1998 in Natick, Massachusetts as a subsidiary of MUTOH Corporation, Japan. Founded in 1918, in Sapporo, Hokkaido, the MUTOH Group is the largest medical device distributor in Japan. The group has over 130 branches which service the entire country and produce over \$1.5B in revenue. MUTOH developed the ultrasonic surgical aspirator, 'SonoPet' in 2001, the first of its kind to allow bone removal using LT technology. With over 300,000 products in its portfolio, MUTOH continues to add new cutting edge technology to support the demands of the modern medical and surgical community. As its company mission statement, "WiSM MUTOH" stands for MUTOH's dedication to "Wellness", "Information", "Science" and "Medicine".

MUTOH America Co., Ltd.

SuperSuction

Accessory

Rongeur

Dilator,Dissector

Needle Holder

Forceps

Scissors

Series

Microscissors

Experience *The Kamiyama Microscissors*



Serrated

Serrated Mini

Standard

Standard Mini

Kamiyama Bayonet

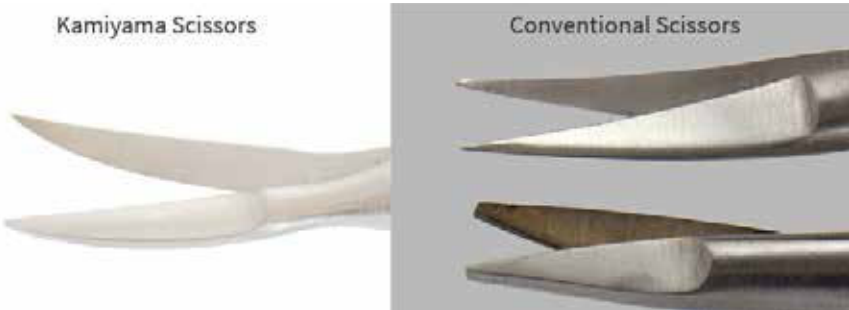
LABELED **K**

The unique bayonet style with forward axial finger rest provides improved visibility and excellent control.



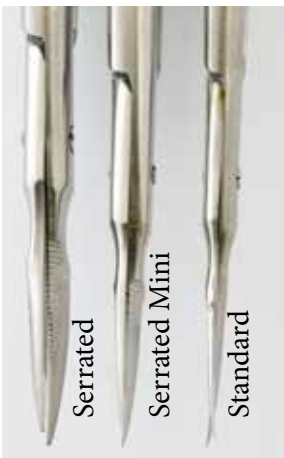
Kamiyama Scissors

Ultra thin curved blades provide precise cutting with exceptional visibility. Kamiyama scissors have been used by the top neurosurgeons in Japan for many years. The distinctive “Samurai Sword” shape of the cutting blade provides superior cutting, control and enhanced visibility.



Kamiyama Serrated Blade Scissors

Kamiyama Serrated Blade microscissors has a serrated cutting edge on the bottom blade. It is slightly thicker than the standard Kamiyama selection but permits easier cutting on hard fibrous tissue, dura and even coil during re-operation.



Left Handed Instruments

LABELED **L**

Some scissors are crafted for the left hand, increasing surgeon’s flexibility.



Premium Double Black Diamond

LABELED **P**

The series of premium DBD microscissors are upgraded versions of the preceding instruments. The microscissors are the sharpest, exceeding with the ability to sharpen through use. Go to page 14 for more information on Premium DBD instruments.



Muramasa Series

LABELED **M**

The Kamiyama Muramasa^{*1)} scissors provide the user with the ultimate in fine cutting ability. With the spring tension precisely tuned by Dr. Hiroyasu Kamiyama, the user perceives the scissors as an extension of their own hand. The Kamiyama “Muramasa” scissors will exceed your expectations.

Sharpness
Premium > Muramasa > Standard

^{*1)} : In historical legend, the “Muramasa” Japanese sword is renowned for it’s unmatched sharpness in the 15th century.

Microscissors



Body Length

Body Length	Model	Series
120mm	K-104	
120mm	KP-104MKB	P
160mm	K-103	
160mm	K-1030	M
160mm	KP-S01	P
160mm	KP-S01MTL	L P
180mm	K-103-18	
180mm	K-1030-18	M
180mm	KP-S01-18 (KP-S01-S)	P ^{*3}
180mm	KP-S01KMS	L P

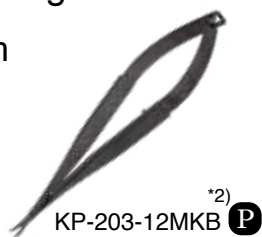
Body Length	Working Length	Model	Series
160mm	65mm	K-102-1	
160mm	65mm	K-102-2	L
195mm	100mm	K-101-1	
195mm	100mm	K-101-2	L
195mm	100mm	K-110-1 ANGLED SHAFT	
195mm	100mm	K-110-2 ANGLED SHAFT	L

ANGLED SHAFT K-110-1

Samurai Mini

Body Length

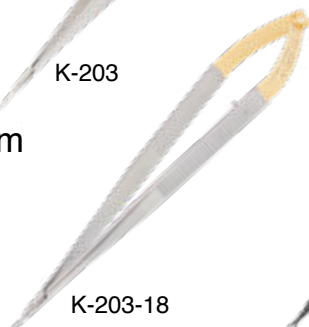
120mm



160mm



180mm



Higher Curvature

Body Length

195mm

Working Length
100mm



K-111-1



K-111-2 (L)

Serrated

Body Length

160mm



180mm



200mm

Working Length
100mm



Serrated Mini

Body Length

160mm

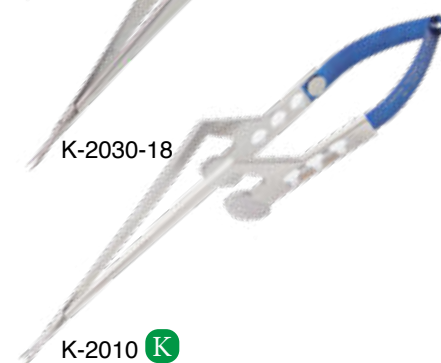


180mm



200mm

Working Length
100mm



Microforceps

Straight Tip



Body Length
160mm



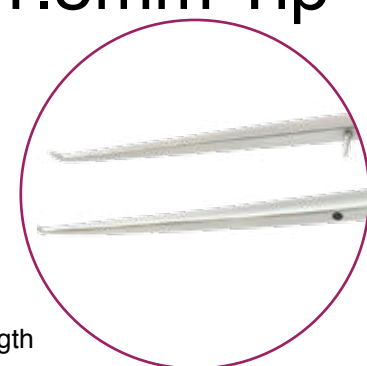
180mm
Working Length
70mm

200mm
Working Length
90mm



45° 1.5mm Tip

160mm



180mm
Working Length
70mm

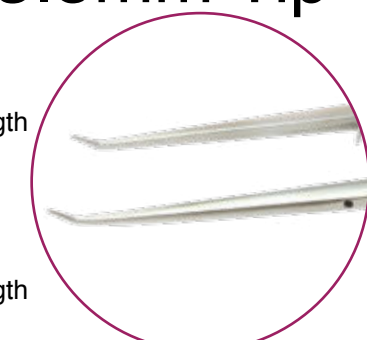
200mm
Working Length
90mm



45° 3.5mm Tip

180mm
Working Length
70mm

200mm
Working Length
90mm



*Kamiyama Microforceps are totally non-magnetic and give
unprecedented control even with 10-0 suture.
The masterpiece for a half century.*



Introducing dissection forceps

Kamiyama-Hida Forceps

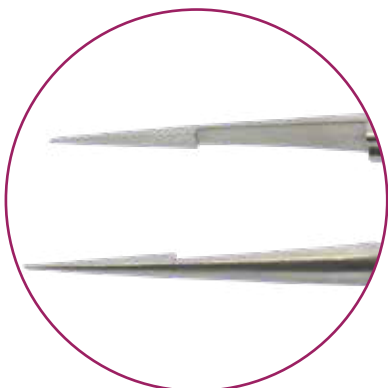
*Long 180mm straight body, large 13mm platform designed for
powerful and precise dissection work.*

Straight Tip (13mm Platform)



H-102

Body Length
180mm



Body: Round Shape

Needle Holder

*Kamiyama Needle Holders are totally non-magnetic and give unprecedented control even with 10-0 suture.
The masterpiece for a half century.*



All 4 tip profiles

- Straight
- Curved
- 45° 1.5mm
- 45° 3.5mm


Kamiyama Bayonet

The unique patented bayonet style with forward axial finger rest provides improved visibility and excellent control.




Straight Tip

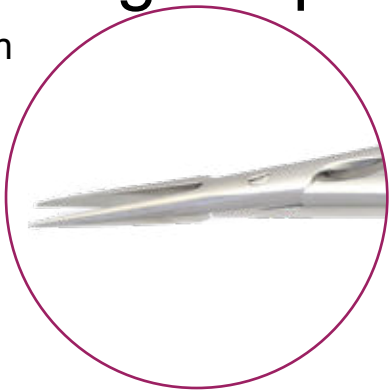


K-803 

Body Length
180mm
Working Length
70mm

K-808 

200mm
Working Length
90mm



Curved Tip



160mm

K-804 **K**

180mm
Working Length
70mm

K-809 **K**

200mm
Working Length
90mm



45° 1.5mm Tip



K-8250 **K**

180mm
Working Length
70mm

K-8210 **K**

200mm
Working Length
90mm



45° 3.5mm Tip



K-815

160mm

K-805 **K**

180mm
Working Length
70mm

K-810 **K**

200mm
Working Length
90mm



Micro Rongeur

Super Micro Bone Rongeur.



Curved Tip

Body Length

K-700

180mm

Working Length
70mm

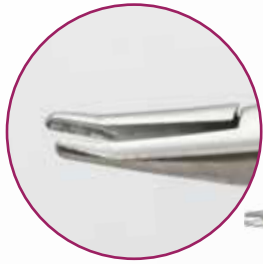


Straight Tip

KT-701

200mm

Working Length
90mm



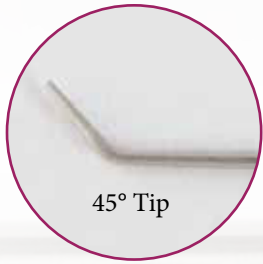
Slightly Curved Tip

KT-702

200mm

Working Length
90mm

Micro Dilator



K-500 | 185mm

45° Tip

Micro Dissector

Arachnoid Knife Micro Dissectors.

180° Cutting Edge

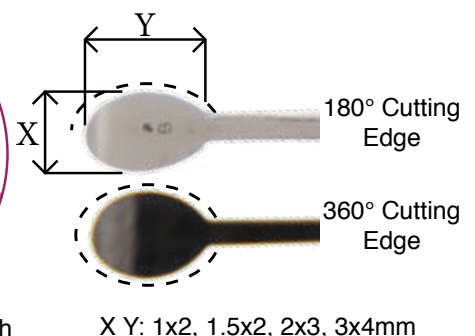


IK-120	Tip Size 1x2mm
IK-1520	Tip Size 1.5x2mm
IK-230	Tip Size 2x3mm
IK-340	Tip Size 3x4mm

360° Cutting Edge



KTP-120	P	Tip Size 1x2mm
KTP-1520	P	Tip Size 1.5x2mm
KTP-230	P	Tip Size 2x3mm
KTP-340	P	Tip Size 3x4mm



Blade edge is indicated with an arrow & "B" on the blade and a bump on the shaft.

Sterilization Tray



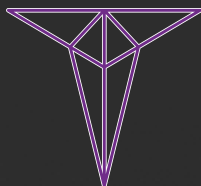
ST-L1 | Large Tray Hospital Size
10x17x1.5in
(260x430x40mm)



ST-S1 | Small Tray Size
8.7x10x1.5in
(220x260x40mm)



ST-T1 | Premium DBD Tray
2.8x8.7x1.3in
(68x220x32mm)



TAKAYAMA INSTRUMENT



DOUBLE BLA

Designed for the best, by the best *Ever sharp! Self-Sharpening*

The microscissors maintain their precision edge with self sharpening technology.

DLC Coating

Diamond-like Carbon coating increases the durability of the DBD series, while giving the unique appearance.

V-Groove System

The premium microforceps utilize a patented groove construction rather than traditional pins to prevent scissoring which provides greater visibility. The gripping force automatically realigns the tips to its center position and provides a “crossover free” experience.

Precision and Control

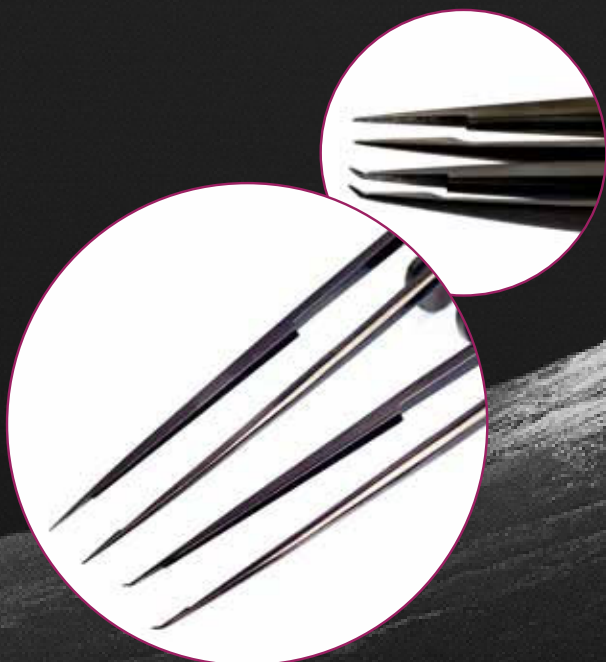
Premium microforceps have a longer contact surface at the tip for the ultimate grip.

Non-Magnetic

Takayama Premium Instruments, needle holders and forceps are non-magnetic. Our premium’s non-magnetic properties prevent needles from sticking to the tips even with fine 10-0 suture.

DBD Microforceps

(Detail page 8)

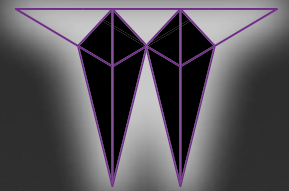


KP-P03
Straight Tip

KP-P04
45° Tip

KP-P01
Straight Tip, K-Bayonet

KP-P02
45°, 1.5mm Tip, K-Bayonet

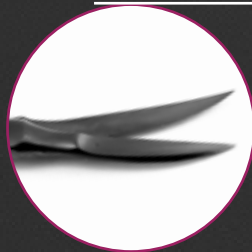


DBD Microscissors

(Detail page 6, 7)

Samurai Standard

LEFT HANDED



120mm

RIGHT HANDED



KP-104MKB

Mustafa K. Baskaya Special



KP-S01MTL

Michael T. Lawton Special

160mm



KP-S01

Kamiyama Premium (K-1030 Upgrade)



KP-S01KMS

Kiko Mura Special

180mm



KP-S01-18 (KP-S01-S) ^{*3)}

Kamiyama Premium (K-1030-18 Upgrade)

Samurai Mini



120mm



KP-203-12MKB ^{*2)}

Mustafa K. Baskaya Special



KP-S02-18

180mm Kamiyama Premium (K-203-18 Upgrade)

*2) : Special item, ask read time.

*3) : "KP-S01-18" product PIN number revised from "KP-S01-S".

The *Super Bypass* Microforceps

Microscopic Perfection in Now a new addition for

The Tip Profile

Classic



SB-1610

Perfect Balanced, powerful and precise, the legendary masterpiece for 20 years.

MTL-Fine



SB-1610-MTL

For higher magnification world, the Finer profile tying forceps.

Super Grip Technology No Slip, No Stick Platforms

LABELED **SGr**

The tip, made of “Synthesized tungsten” with the base metal, offers superior grasping and unsurpassed durability. With randomly patterned surface roughness, whether the tip is straight or curved, all instruments give unprecedented control.



Patented metallic synthesis technology.
Robust tungsten layer.
Unlike a normal coating.

Weight, Balance and Utility. a more micro world.

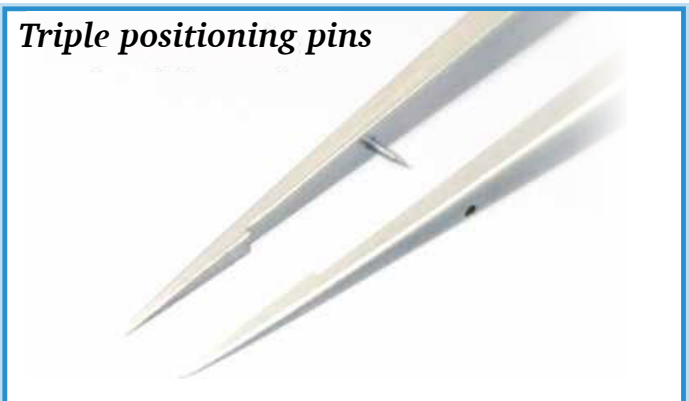
Crossover Free No Scissoring

Precision craftsmanship creates forceps with no tip distraction.

Triple Positioning Pin system

The TAKAYAMA legendary Triple Positioning Pin system supports crossover free feature.

Triple positioning pins



Rigidity Enhancing Groove System

New Rigidity Enhancing Groove System provides crossover free and enhanced rigidity of the instrument.

LABELED **REG**

Rigidity Enhancing Groove System



Random Surface Roughness
+
Thick Synthesized Layer

tungsten

base
metal

Super Bypass Tip
ATOMIC LEVEL TECHNOLOGY

tungsten

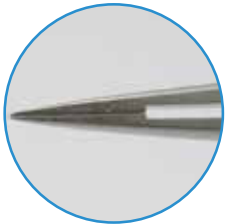
base
metal

Conventional Tip
MERE PROCESSING

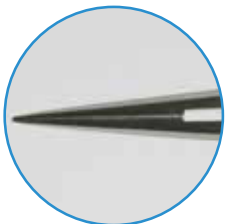
Microforceps

Classic

7mm Platform



10mm Platform



10mm Curved Platform



MTL-Fine

Michael T. Lawton Special

7mm Platform

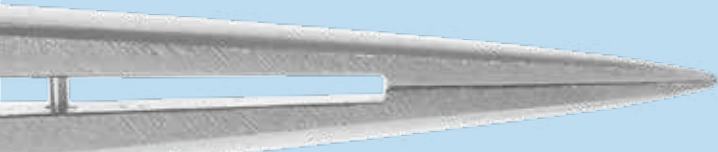


10mm Platform



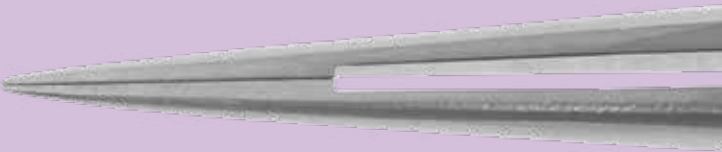
Super Bypass

Classic



Perfectly balanced, powerful and precise, legendary master piece.

MTL-Fine



The newest additon, to a more precisional work. Powered by “Rigidity Enhacing Groove System”.

The finer profile of the *FINE* Series offers superior performance in a smaller surgical field under higher microscope magnification view while maintaining the tactility and precision of the classic Super Bypass series.

Needle Holder

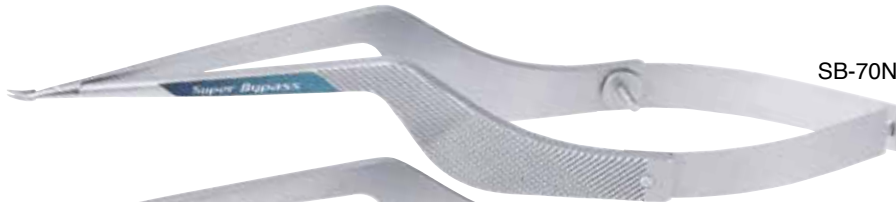
Straight Curved Tip

SB-16NC **SGr** 160mm



Bayonet 30° Tip

SB-70N-30 **SGr** 175mm
Working Length 70mm



SB-90N-30 **SGr** 195mm
Working Length 90mm



SB-110N-30 **SGr** 215mm
Working Length 110mm



45° Tip

SB-70N-45 **SGr** 175mm
Working Length 70mm



SB-90N-45 **SGr** 195mm
Working Length 90mm



SB-110N-45 **SGr** 215mm
Working Length 110mm



60° Tip

SB-70N-60 **SGr** 175mm
Working Length 70mm



SB-90N-60 **SGr** 195mm
Working Length 90mm



SB-110N-60 **SGr** 215mm
Working Length 110mm



Needle Holder Scissors

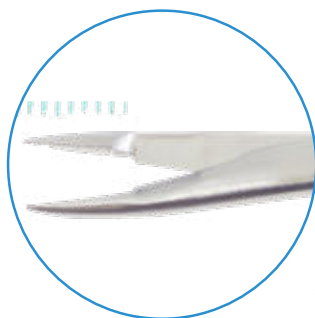
Mario Zuccarello Special

Straight

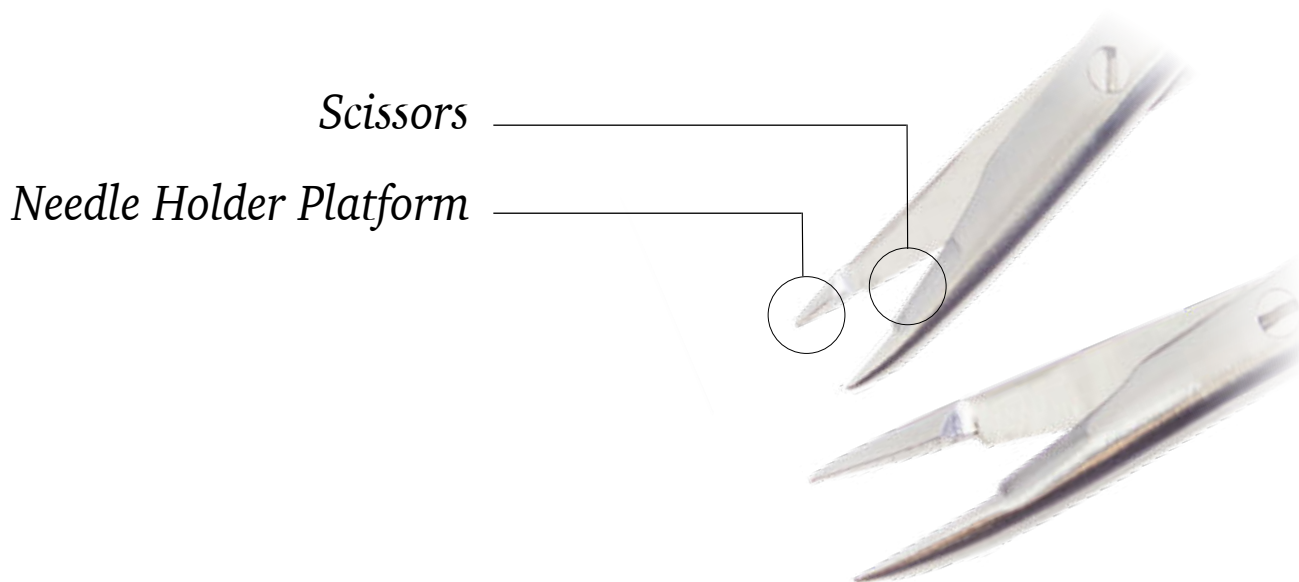
Curved Small Tip (3mm Platform)



Curved Large Tip (7mm Platform)



***Multifunctional** micro instrument.
Now needle holder and scissors in one piece.*



The *Super Bypass* Titanium Series

Super-Titan technology

Beyond Titanium, This is THE Super-Titan

Super-Titan

The new developing work hardening processes now provides next level Titanium characteristics. It is like a stainless metal tactile feedback.

- High Rigidity

+

- Non Magnetic

- Light Weight

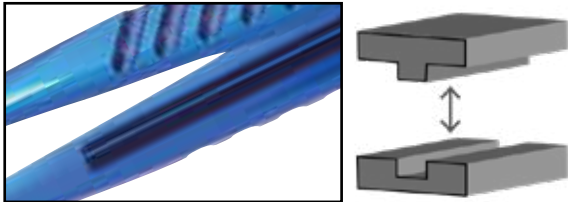
LABELED STi

Crossover Free

Rigidity Enhancing Groove System.

New Rigidity Enhancing Groove System provides crossover free and enhancing rigidity of the instrument.

LABELED REG

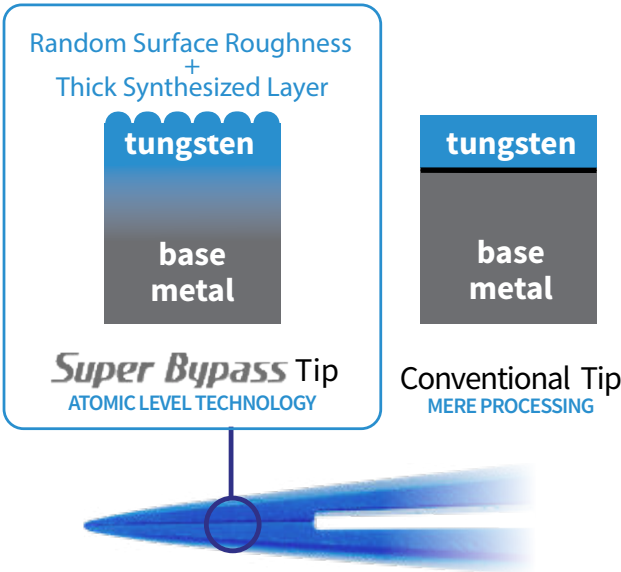


Super Grip technology

No Slip, No Stick Platform

LABELED SGr

The tip, made of “Synthesized tungsten” with the base metal, offers superior grasping and unsurpassed durability. With randomly patterned surface roughness whether the tip is straight or curved, all instruments give unprecedented control.



Microforceps *Titan*

7mm Platform

Straight

SBTi-1207 **STi** **REG** **SGr** 120mm

SBTi-1607 **STi** **REG** **SGr** 160mm

10mm Platform

SBTi-1210 **STi** **REG** **SGr** 120mm

SBTi-1610 **STi** **REG** **SGr** 160mm

10mm Platform Curved

SBTi-1610C **STi** **REG** **SGr** 160mm

10mm Platform

Bayonet

SBTi-70FS **STi** **REG** **SGr** 175mm

Working Length
70mm

SBTi-90FS **STi** **REG** **SGr** 195mm

Working Length
90mm

SBTi-110FS **STi** **REG** **SGr** 215mm

Working Length
110mm

10mm Curved Platform

SBTi-70FC **STi** **REG** **SGr** 175mm

Working Length
70mm

SBTi-90FC **STi** **REG** **SGr** 195mm

Working Length
90mm

SBTi-110FC **STi** **REG** **SGr** 215mm

Working Length
110mm

10mm Curved Small Platform

SBTi-90FC-S **STi** **REG** **SGr** 195mm

Working Length
90mm

Needle Holder

Titan

Straight Curved Tip

SBTi-16NC **STi** **SGr** 160mm

Bayonet 30° Tip

SBTi-70N-30 **STi** **SGr** 175mm

Working Length
70mm

SBTi-90N-30 **STi** **SGr** 195mm

Working Length
90mm

SBTi-110N-30 **STi** **SGr** 215mm

Working Length
110mm

45° Tip

SBTi-70N-45 **STi** **SGr** 175mm

Working Length
70mm

SBTi-90N-45 **STi** **SGr** 195mm

Working Length
90mm

SBTi-110N-45 **STi** **SGr** 215mm

Working Length
110mm

60° Tip

SBTi-70N-60 **STi** **SGr** 175mm

Working Length
70mm

SBTi-90N-60 **STi** **SGr** 195mm

Working Length
90mm

SBTi-110N-60 **STi** **SGr** 215mm

Working Length
110mm

Newest Additon Tip Profile “SMALL TIPS”

For deeper, narrower field work.

Standard Small

Bayonet 30° Small Tip

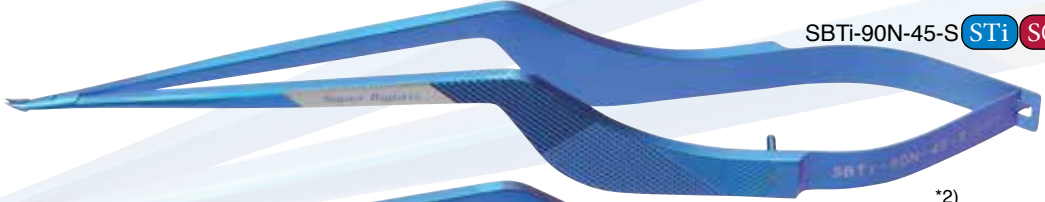
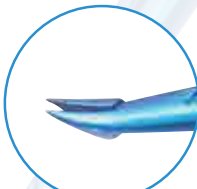


SBTi-90N-30-S **STi** **SGr** 195mm
Working Length 90mm

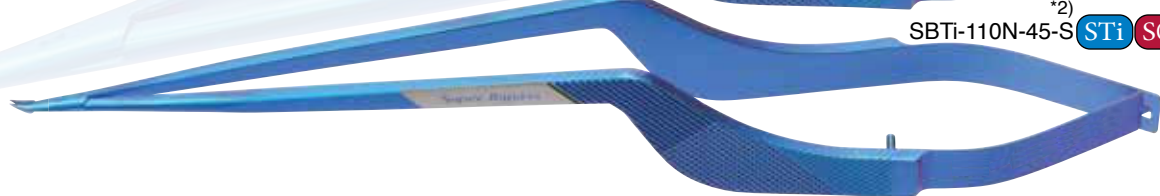


^{*2)}
SBTi-110N-30-S **STi** **SGr** 215mm
Working Length 110mm

45° Small Tip





SBTi-90N-45-S **STi** **SGr** 195mm
Working Length 90mm

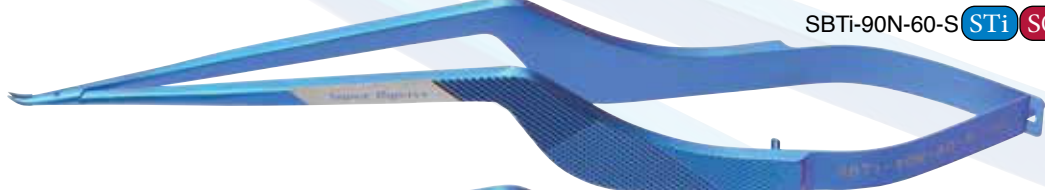


^{*2)}
SBTi-110N-45-S **STi** **SGr** 215mm
Working Length 110mm


60° Small Tip



^{*2)}
SBTi-70N-60-S **STi** **SGr** 175mm
Working Length 70mm



SBTi-90N-60-S **STi** **SGr** 195mm
Working Length 90mm



^{*2)}
SBTi-110N-60-S **STi** **SGr** 215mm
Working Length 110mm

Super-Bypass Suction-Irrigation System

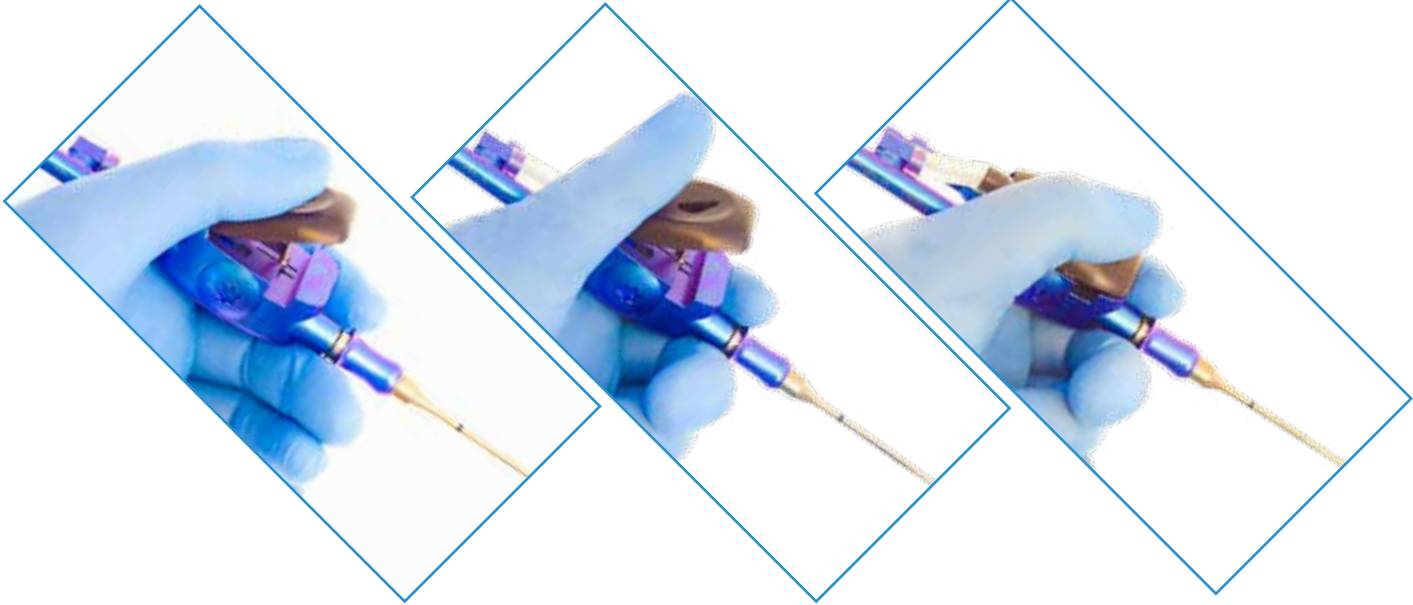
Multifunction

Suction and Irrigation in the palm of your hand!

One finger control
DUAL function in one tip
WIDE range of interchangeable tips

Suction

To operate the suction, hold and cover suction adjusting hole, suction power can be adjusted by covering size.

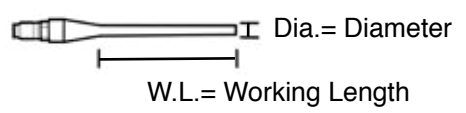


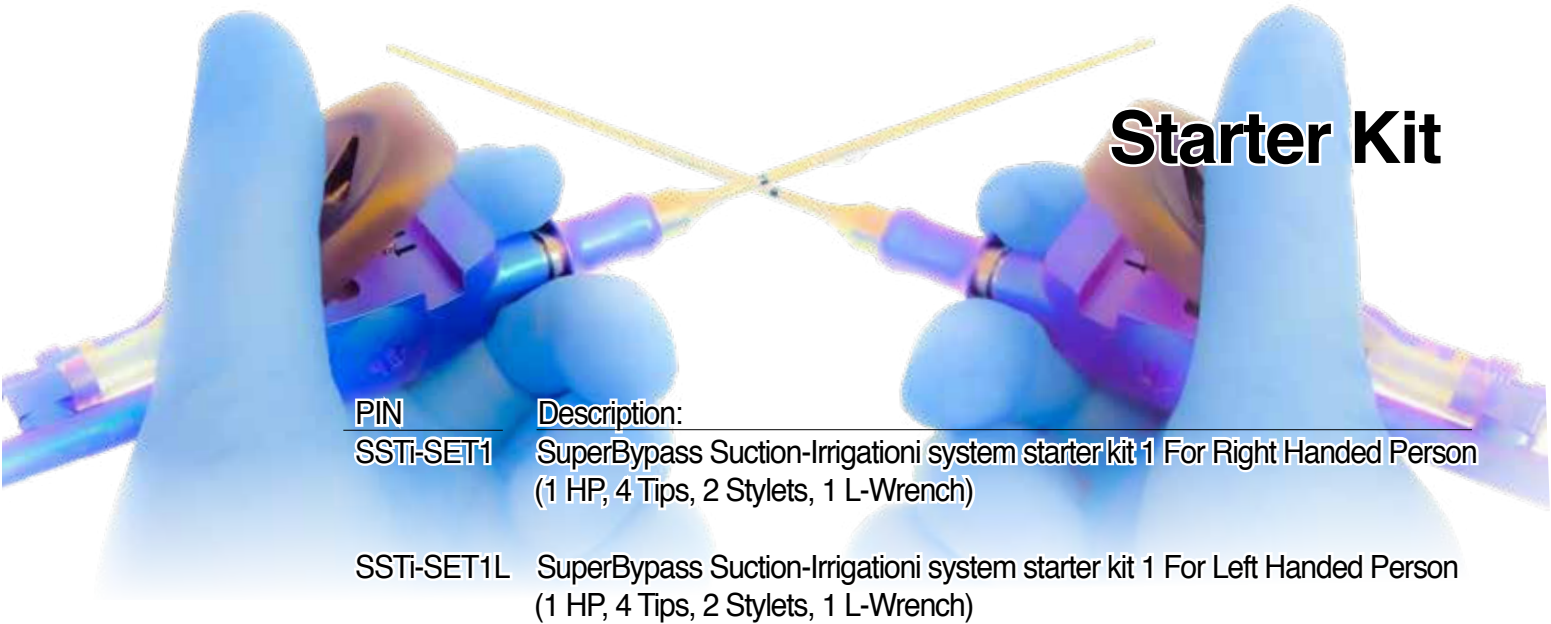
To operate the irrigation, cover the suction adjusting hole 100% and push down the control lever. Irrigation power can be controlled by the angle of the lever.

Irrigation

Tip lineup

Dia. W.L.	PIN			
	ø 1.2mm (3.6Fr)	ø 1.5mm (4.5Fr)	ø 2.0mm (6.0Fr)	ø 3.0mm (9.0Fr)
70mm	SSTi-01-07012	SSTi-01-07015	SSTi-01-07020	SSTi-01-07030
90mm	SSTi-01-09012	SSTi-01-09015	SSTi-01-09020	SSTi-01-09030
110mm	SSTi-01-11012	SSTi-01-11015	SSTi-01-11020	SSTi-01-11030
130mm	SSTi-01-13012	SSTi-01-13015	SSTi-01-13020	SSTi-01-13030
160mm	SSTi-01-16012	SSTi-01-16015	SSTi-01-16020	SSTi-01-16030
180mm	SSTi-01-18012	SSTi-01-18015	SSTi-01-18020	SSTi-01-18030





Starter Kit

PIN	Description:
SSTi-SET1	SuperBypass Suction-Irrigation system starter kit 1 For Right Handed Person (1 HP, 4 Tips, 2 Stylets, 1 L-Wrench)
SSTi-SET1L	SuperBypass Suction-Irrigation system starter kit 1 For Left Handed Person (1 HP, 4 Tips, 2 Stylets, 1 L-Wrench)

			Starter Kit PIN	
#	PIN	Description	SSTi-SET1	SSTi-SET1L
①	SSTi-01	Suction-Irrigation, Hand-Piece For Right Handed Person	✓	
②	SSTi-01L	Suction-Irrigation, Hand-Piece For Left-Handed Person		✓
③	SSTi-028	Cleaning Stylet for Tips	✓	✓
④	SSTi-029	Cleaning Stylet for Hand-Piece	✓	✓
⑤	SSTi-01-09030	Tip, 90mm, Dia.3.0mm [9Fr]	✓	✓
⑥	SSTi-01-09020	Tip, 90mm, Dia.2.0mm [6Fr]	✓	✓
⑦	SSTi-01-09015	Tip, 90mm, Dia.1.5mm [4.5Fr]	✓	✓
⑧	SSTi-01-09012	Tip, 90mm, Dia.1.2mm [3.6Fr]	✓	✓
⑨	SSTi-030	L-Wrench for Rotor Cap	✓	✓



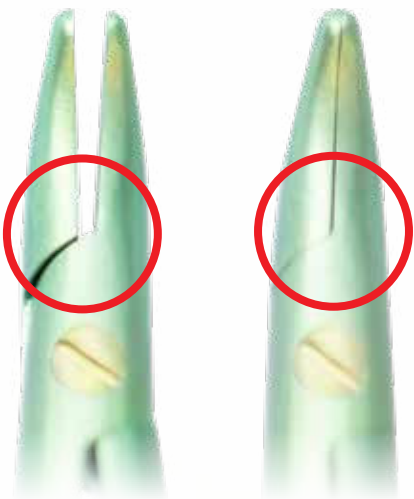
- Starter Kit comes with 4 sizes of 90mm tips.
- Other sizes availabe, sold separately.

Specially designed for larger size sutures

- New Box-Lock Joint Mechanism
- Super-Titan technology
- Super Grip technology

New Box-Lock Joint Suture Snag Prevention

The New Box-Lock Joint mechanism prevents unexpected suture snagging.

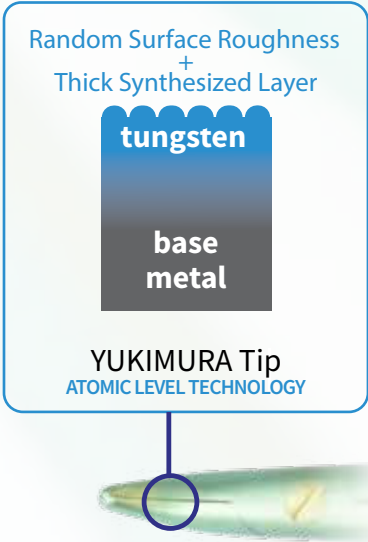


Super Titan STi

- High Rigidity
- Non magnetic
- Light weight

SGr Super Grip technology No Slip, No Stick Platform

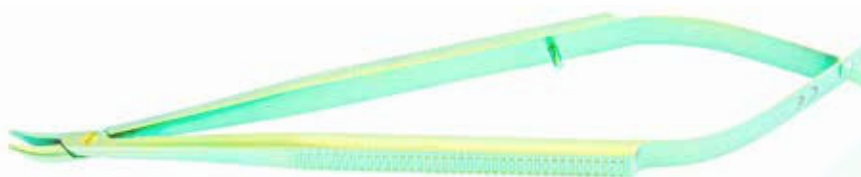
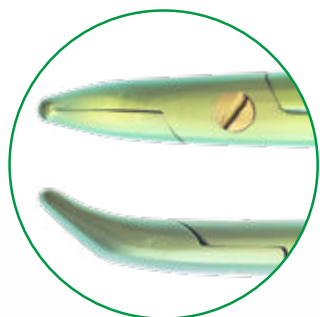
YUKIMURA uses the Super Grip Technology same as SuperBypass. The tip, made of “Synthesized tungsten” with the base metal, offers superior grasping and unsurpassed durability. With randomly patterned surface roughness gives unprecedented control.



Needle Holder YUKIMURA

Straight

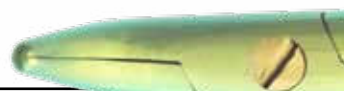
S-16YM-N1 **STi** **SGr** 160mm



*Reference
Suitable Suture Size*

10-0	9-0	8-0	7-0	6-0	5-0	4-0
			←→			
←→						

YUKIMURA
S-16YM-N1



Super Bypass
SB-16NC



SBTi-16NC



YUKIMURA
S-16YM-N1

Super Bypass
SB-16NC



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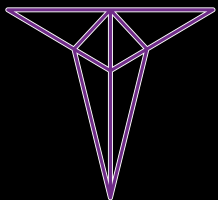
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