



EUROPE

EMI Supermicrosurgery titanium instruments

Designed by microsurgions. Tailored for supermicrosurgery. Handcrafted in Japan.



EMI instruments are part of the Mitaka Europe supermicrosurgery portfolio.
– the ultimate in microsurgery solutions dedicated to surgeons focused on performance.

The Shokunin way



When microsurgions are seeking to make breakthroughs that were previously thought impossible, they often have to face technological limitations in the tools they use. Against current economic trends and refusing to accept "quick-fix" solutions, we combine the best Japanese traditions of solid handcrafting with cutting-edge innovations to invoke the spirit of Shokunin and create truly robust technology that allows surgeons to ignore previous limitations and devote themselves to perfecting their intricate procedures. The precision of our products, aligned with these surgeons' incredible abilities, puts them into a category of their own – the supermicro category.

Precise and durable titanium instruments

and their unique advantages for micro- and supermicrosurgery

The microsurgery tools made by the Japanese company EMI Factory have the quality needed to perform high precision procedures under supermicroscope lense magnification. **Designed to be used with the smallest sutures in the world, made by hand from titanium alloy and finished with immaculate attention to every detail**, they fully meet the needs of microsurgeons looking for the ultimate solutions. The special design and craftsmanship provide the surgeon with excellent comfort, confidence and precision.

No magnetic attraction to needles

Being made of titanium, the instruments are non-magnetic, so needles will not stick to the tip while suturing.

Reflection-free coating

The special surface coating makes the instruments reflection-free, which greatly decreases eye fatigue and improves visibility while working at high magnifications rates.

Less-sticky surface

The exceptional surface coating minimises the blood-clotting effect.

Ductility for high grip performance

By fully applying titanium's ductility, EMI produces instruments that grasp even superfine needles securely and firmly, without breaking or bending them. The instruments grip with the entire plane of the tip, not just at the tip. Different tip sizes can grasp various surgical needles up to 12-0 USP.

Lightweight

The instruments have an excellent weight-to-strength ratio – thanks to the lightness of titanium – while providing good grip, feeling and balance.

Colour coding

The six beautifully rich titanium colours make it easy to distinguish the different instruments tip sizes.

Tailor-made manufacturing

The cutting-edge techniques adapt to fit surgeons' special requirements, such as adding a protrusion, varying the tip size and shape, adding a lock or tailoring the instruments to individual hand sizes.

EMI FACTORY

EMI Needle Holder

High gripping performance

Material	Handle type	Lock	Length	Tip shape	Tip size (Suitable sutures)
Titanium	Flat ¹	With	150 mm	Curved	0.5 mm (8-0)
	or	or	or	or	0.3 mm (9-0 ~ 10-0)
	Round ²	Without	180 mm	Straight	0.1 mm (11-0 ~ 12-0)

Available colours:  rainbow  gold  pink  blue  light blue  green



EMI **SM** Needle Holder

Designed for grasping superfine needles

EMI's Supermicro Needle Holder **has a tip size starting from 0.1 mm, can be applied to 11-0 ~ 12-0 surgery sutures** and has been specifically designed for supermicrosurgery interventions. It allows the most delicate microvascular anastomosis to be done properly with more confidence thanks to the high grasping performance due to titanium's ductility.



EMI FACTORY

EMI Needle Holder Long

Perfect balance

Material	Handle type	Lock	Length	Tip shape	Tip size (Suitable sutures)
Titanium	Flat	With	200 mm	Curved	0.5 mm (8-0)
	or	or	or	or	0.8 mm (7-0 ~ 8-0)
	Round	Without	220 mm	Straight	1.0 mm (6-0 ~ 7-0)
Titanium	Flat	With	230 mm	Curved	1.0 mm (6-0 ~ 7-0)
	or	or		or	or
	Round	Without		Straight	1.2 mm (5-0 ~ 6-0)

Available colours:  rainbow  gold  pink  blue  light blue  green



EMI FACTORY

EMI Micro Scissors

Sharp and clean cut

EMI **SM** Curved Scissors



EMI **SM** Straight Scissors



Material	Length	Tip shape
Titanium	150 mm	Straight ¹
	or	or
	180 mm	Curved ²

Available colours:  rainbow  gold  pink  blue  light blue  green

EMI FACTORY

EMI Micro Forceps

Excellent grip feeling

Material	Handle type	Length	Tip size (Suitable sutures)
Titanium	Flat	120 mm	0.05 mm (12-0)
		or	0.1 mm (11-0 ~ 10-0)
		140 mm	0.2 mm (9-0 ~ 8-0)

Available colours:  rainbow  gold  pink  blue  light blue  green

EMI **SM** Forceps

Firm and stable grip with the finest tip

The supermicrosurgery forceps are designed by microsurgions to perform anastomoses of the smallest blood and lymphatic vessels and nerves, which **have a diameter of less than 1 mm. The forceps are available in various sizes: 0.05 mm, 0.1 mm and 0.2 mm.** Thanks to the ductility of titanium, the forceps grasp with the whole plane of the tip, not just the tip. They provide a secure and stable grip, which makes them essential for supermicrosurgery.



EMI Micro Forceps Long

Material	Handle type	Length	Tip size (Suitable sutures)
Titanium	Round	180 mm	0.5 mm (6-0 ~ 7-0)
		or	
		200 mm	1.0 mm (5-0 ~ 6-0)

Available colours:  rainbow  gold  pink  blue  light blue  green

EMI FACTORY

EMI Supermicro Set A

Set A:	EMI SM Needle Holder		EMI SM Scissors	EMI SM Forceps		Sterilization Case
Quantity:	1	1	1	1	1	1



Length:	150 mm		150 mm	120 mm	
Tip:	0.1 mm	0.3 mm	Curved <input checked="" type="checkbox"/> / Straight <input checked="" type="checkbox"/>	0.05 mm	0.1 mm
Colour:	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> rainbow <input checked="" type="checkbox"/> gold <input checked="" type="checkbox"/> pink <input checked="" type="checkbox"/> blue <input checked="" type="checkbox"/> light blue <input checked="" type="checkbox"/> green 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> rainbow <input checked="" type="checkbox"/> gold <input checked="" type="checkbox"/> pink <input checked="" type="checkbox"/> blue <input checked="" type="checkbox"/> light blue <input checked="" type="checkbox"/> green 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> rainbow <input checked="" type="checkbox"/> gold <input checked="" type="checkbox"/> pink <input checked="" type="checkbox"/> blue <input checked="" type="checkbox"/> light blue <input checked="" type="checkbox"/> green 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> rainbow <input checked="" type="checkbox"/> gold <input checked="" type="checkbox"/> pink <input checked="" type="checkbox"/> blue <input checked="" type="checkbox"/> light blue <input checked="" type="checkbox"/> green 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> rainbow <input checked="" type="checkbox"/> gold <input checked="" type="checkbox"/> pink <input checked="" type="checkbox"/> blue <input checked="" type="checkbox"/> light blue <input checked="" type="checkbox"/> green

EMI FACTORY EMI Micro Set B

Set B:	EMI Needle Holder	EMI Micro Scissors	EMI Micro Forceps	Sterilization Case
Quantity:	1	1	2	1



Length:	150 mm	150 mm	120 mm
Tip:	0.3 mm	Curved <input checked="" type="checkbox"/> / Straight <input checked="" type="checkbox"/>	0.1 mm
Colour:	● blue	● blue	● blue



EUROPE

Mitaka Europe GmbH

Kurfürstendamm 194 Tel. +49 30 610814570
10707 Berlin, Germany Fax +49 30 610814577

E-mail: office@mitakaeurope.com

www.mitakaeurope.com

