



ESDK-N/MS

Surgical Power Device
Neurosurgery



OPERATING THEATRE



DESCRIPTION

In the craniotomy in neurosurgery, head and neck surgery, intracranial surgery, maxillofacial surgery and other surgery, ESDK-N-MS is intended for the incision and removal of soft and hard tissue or bone, such as drilling, cutting, sawing and burring.














SPECIFICATIONS

- Field of application: for neurosurgery
- Operation: Electric
- Use: Benchtop
- Other features: complete set, autoclavable
- Speed: Min : 0 rpm (0 rad.min⁻¹), Max: 80,000 rpm
(502,654.8 rad.min⁻¹)
- Overall dimensions of complete appliance: 315×308×171 mm.
- Overall weight: 6 Kg

PERFORMANCE





- Artistic, fashionable, scientific and digital outlook.
- TFT color LCD screen with touch operating function.
- Self-diagnosis and overload protection enables normal operation and ultra safety.
- Irrigation pump is available.
- Auto identify for Micromotor/tools.
- Low noise/heat/vibration Handpieces & Blades with rust-proof and autoclavable.
- High-grade stainless steel blades with precision treatment, sharp and durable.
- BF standard interfaces to ensure exceptional electrical safety.
- Wide range of working power supply: 100-240VAC 50/60Hz.
- Micromotor's cable Length is 3m, the maximum speed can be 40000 r/min and the peak output power can up to 150W.
- The maximum speed of Cranial Drilling Pistol can be 1500 r/min, of Cranial Cutting Handpiece can be 40000 r/min.
- Bur handpiece has two types: Φ d 15mm, angle 0° and Φ d 15mm, angle 21°. The maximum speed can be 80000 r/min.
- The maximum speed of Micro Cannulation Drilling Handpiece can be 1500 r/min.
- The maximum speed of Micro Sagittal Sawing Handpiece, Micro Oscillating Sawing Handpiece and Micro Reciprocating Sawing Handpiece can be 20000 r/min.

STANDARD CONFIGURATION












1	Main Frame		Console		<ul style="list-style-type: none"> ①7-inch touch screen, ②Auto-diagnosis & self-protection of system, ③Auto-indentification of tools, ④2 motor interfaces, ⑤Compatible with JT3, DJ4A, DJ6A, RDB and etc. 	1
2			Foot Switch	JT3	<ul style="list-style-type: none"> ①IPX8 water proof, ②Cable length:3.5m, ③Dimension:202mm×215mm×55mm, ④Stepless speed adjustment & function switch 	1
3	Power Output		Micromotor	DJ4A	<ul style="list-style-type: none"> ①Brushless DC micromotor, ②Automatic air-cooling, ③Max. speed: 40,000rpm, ④Max. power: 150W, ⑤Cable length: 3m, ⑥Steam autoclavable, ⑦Compatible with ZSB3, XJ6, MSB1A, MSB2A, XMSB, XKXZ2, XCBJ, XPBJ, XWFJ, GQSB and etc. 	1
4			Micromotor	DJ6A	<ul style="list-style-type: none"> ①Brushless DC micromotor, ②Automatic air-cooling, ③Max. speed:40,000rpm, ④Max. power:100W, ⑤Cable length:3m, ⑥Steam autoclavable, ⑦Compatible with MSB1A, MSB2A, XMSB, XKXZ2, XCBJ, XPBJ, XWFJ, GQSB and etc. 	1
5	Drilling for Skull		Perforator Pistol	ZSB2A	<ul style="list-style-type: none"> ①Compatible with DJ4A & LT, ②Max. speed:1,500rpm 	1
6			Single-use Sterile Cranial Perforator	LT09A	<ul style="list-style-type: none"> ①Compatible with ZSB3 & ZSB2A, ②Φ:9mm, ③Mechanical auto-stop function, ④Interface designed for quick replacement 	1
7	Shaving for Skull		Craniotome Handpiece	XJ6	<ul style="list-style-type: none"> ①Compatible with DJ4A, XJH & XD ②Max. speed: 40,000 rpm 	1
8			Cutting Guard	XJH18F	<ul style="list-style-type: none"> ①Compatible with XJ6 & XD, ②Standard type, ③Fixed 	1
9			Cutter (reusable)	XD1816A	<ul style="list-style-type: none"> ①Compatible with XJH18R & XJH18F, ②Standard type, ③straight 4-bladed shape, ④Tip ΦD:1.6mm ⑤For skull gap Φ:1.6-2.34mm, ⑥Min. radius of cutting :5mm 	1
10	High-Speed Drill		High-speed Handpiece	MSB2A-W125	<ul style="list-style-type: none"> ①Compatible with DJ4A, DJ6A, MSB-FJ1 & burs of 125mm, ②Multi-speed ratio:1:2, ③Max. output speed:80,000rpm, ④21°angled shape 	1
11			Irrigation Tube	MSB-FJ1C	<ul style="list-style-type: none"> ①Compatible with MSB1A, MSB2A & bur of 125mm, ②Length:75mm 	1
12			Round Diamond Bur (reusable)	DR1017B125	Compatible with MSB1A & MSB2A of 125mm, Φ:1.0mm, Particle size:17, Joint type:B, Length:125mm, Rod Φ:2.38mm	1
13				DR2017B125	Compatible with MSB1A & MSB2A of 125mm, Φ:2.0mm, Particle size:17, Joint type:B, Length:125mm, Rod Φ:2.38mm	1
14				DR3014B125	Compatible with MSB1A & MSB2A of 125mm, Φ:3.0mm, Particle size:14, Joint type:B, Length:125mm, Rod Φ:2.38mm	1
15			Round Carbide Bur (reusable)	CR2008B125	Compatible with MSB1A & MSB2A of 125mm, Φ:2.0mm, No. of blade:8, Joint type:B, Length:125mm, Rod Φ:2.38mm	1
16				CR3010B125	Compatible with MSB1A & MSB2A of 125mm, Φ:3.0mm, No. of blade:10, Joint type:B, Length:125mm, Rod Φ:2.38mm	1
17	CR5012B125			Compatible with MSB1A & MSB2A of 125mm, Φ:5.0mm, No. of blade:12, Joint type:B, Length:125mm, Rod Φ:2.38mm	1	



STANDARD CONFIGURATION

18	Cannulated Drill for Small Bone(skull)		Micro Cannulated Drill	XKXZ2	①Compatible with DJ4A & DJ6A, ②Range of clamping:Φ1.0-2.5mm, ③Max. speed:3,000rpm	1
19			Irrigation Tube	XKXZ2-FJ1	Compatible with XKXZ2, Length: 60mm	1
20			Single-use Sterile Bone Drill and Pin	GT.DS	Compatible with XKXZ2, Length: 35~155mm, Φ: 1.1~4.0mm.	1
21	Irrigation		Pump	RDB		1
22			Stand	GJ	Height: 40cm , Φ6.0mm	1

OPTIONAL CONFIGURATION

1	High-Speed Drill		High-speed Handpiece	MSB2A-W95	①Compatible with DJ4A, DJ6A, MSB-FJ1 & burs of 95mm, ②Multi-speed ratio:1:2, ③Max. output speed:80,000rpm, ④21°angled shape	1
2			Irrigation Tube	MSB-FJ1C	①Compatible with MSB1A, MSB2A & bur of 95mm, ②Length:45mm	1
3			Round Diamond Bur (reusable)	DR1017B95	Compatible with MSB1A & MSB2A of 95mm, Φ:1.0mm, Particle size:17, Joint type:B, Length:95mm, Rod Φ:2.38mm	1
4				DR2017B95	Compatible with MSB1A & MSB2A of 95mm, Φ:2.0mm, Particle size:17, Joint type:B, Length:95mm, Rod Φ:2.38mm	1
5				DR3014B95	Compatible with MSB1A & MSB2A of 95mm, Φ:3.0mm, Particle size:14, Joint type:B, Length:95mm, Rod Φ:2.38mm	1
6			Round Carbide Bur (reusable)	CR2006B95	Compatible with MSB1A & MSB2A of 95mm, Φ:2.0mm, No. of blade:6, Joint type:B, Length:95mm, Rod Φ:2.38mm	1
7				CR3008B95	Compatible with MSB1A & MSB2A of 95mm, Φ:3.0mm, No. of blade:8, Joint type:B, Length:95mm, Rod Φ:2.38mm	1
8				CR5010B95	Compatible with MSB1A & MSB2A of 95mm, Φ:5.0mm, No. of blade:10, Joint type:B, Length:95mm, Rod Φ:2.38mm	1
9	Single-use Sterile Bur		Single-use Sterile Bur	DR.DS	Single-use Sterile Bur	1
10			Single-use Sterile Bur	SR.DS	Single-use Sterile Bur	1
11			Single-use Sterile Bur	CR.DS	Single-use Sterile Bur	1
12			Single-use Sterile Bur	SSA.DS	Single-use Sterile Bur	1
13			Single-use Sterile Bur	SOA.DS	Single-use Sterile Bur	1
14			Single-use Sterile Bur	SM.DS	Single-use Sterile Bur	1
15	Sterilization		MQH6	Designed for accessories of configuration for cranial surgery	1	
16			MQH1	Designed for accessories of high speed drill	1	
17			MQH4	Designed for accessories of small bone & high speed drill	1	
18	Cleaning		Cleaning brush	QS15	Φ1.5mm, autoclavable, for cleaning of interior surface of blade tube	1
19				QS20	Φ2.0mm, autoclavable, for cleaning of interior surface of blade tube	1
20				QS30	Φ3.0mm, autoclavable, for cleaning of interior surface of blade tube	1



ESSE3 srl, Via Garibaldi 30
14022 Castelnuovo D.B. (AT)
Tel +39 011 99 27 706
Fax +39 011 99 27 506
e-mail esse3@chierinet.it
web: www.esse3.dreamgest.com

