



SURGICAL POWER DEVICE ENT Head & Neck Series

• Products shown in this brochure may not be available in all countries or regions. Availability is subject to local regulatory approvals.

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Supplier of Total Solution of
Minimally Invasive Surgical Instruments

Advancing Minimally Invasive Surgery Through Integrated Innovation

Chongqing Xishan Science & Technology Co., Ltd. is a national high-tech medical device company dedicated to the R&D, manufacturing, and global commercialization of minimally invasive surgical solutions.



Employees

800+



Countries

50+



End Users

5000+



Patents

1300+

Founded in 1999, we have established a comprehensive portfolio covering surgical power tools, 4K UHD endoscopy systems, and electrosurgical systems. With strong R&D capabilities and ongoing clinical collaborations, our products are widely used across neurosurgery, spinal surgery, ENT, orthopedics, breast surgery, and other surgical specialties worldwide.

XISHAN

* All figures presented are based on internal statistics and official records as of July, 2026. Patent counts include both granted patents and pending applications globally. Data is approximate and subject to continuous growth.

Surgical Power Tools for ENT Head & Neck Surgery

Intelligent Power Control

Integrating drilling, ENT tissue resection, oscillating sawing, and bone cutting functions, the system is designed for surgical access creation in middle and inner ear procedures, as well as the removal and contouring of bony and soft tissues in ENT surgery. This versatile power platform supports surgical approach creation, bone cutting, soft-tissue resection, and precise bone-edge contouring, delivering efficient and precise power control for ENT procedures.

Surgical Power Device

- Model: DK-N-MS/MP
- Dimension: 315*308*171mm
- 7-inch TFT touch screen
- Irrigation pump flow rate: 10 adjustable levels, 0–130 mL/min
- 100–240V wide voltage design, load speed drop <5%
- Auto-identification of attachments and instruments
- Auto-diagnosis & self-protection

Foot Switch

- Stepless speed control
- Dual-function switch: left control / right cooling
- IPX8 waterproof
- Cable length: 3 m

Indication

- Functional Endoscopic Sinus Surgery (FESS)
- Turbinate Reduction
- Adenoidectomy
- Microlaryngeal Surgery
- Septoplasty
- Frontal Sinus Surgery
- Skull Base Surgery
- Microscopic Ear Surgery
- Endoscopic Ear Surgery
- Maxillofacial Surgery
- Small Bone Surgery



Shaver & Debrider Tools

For Efficient and Precise Resection

Suction flow valve



Hand-control button



Speed up / down



ENT Shaver Handpiece PSB3 & PSB5

- Max. speed: Forward-**13,000** rpm,Oscillating-**6,000** rpm
- Advanced magnetic-drive motor
- Stepless adjustment of speed
- Direct drainage & suction
- Hand(PSB3 only) & foot control
- Wide range of consumables available

Single-use Sterile Nasal Shaver				
Model	L (mm)	ΦD (mm)	α(°)	Blade Tip Type
BPD11030A.DS	110	3.0	0	Double serrated
BPD11036A.DS	110	3.6	0	Double serrated
BPD11040A.DS	110	4.0	0	Double serrated
BPD1104012A.DS	110	4.0	12	Double serrated
BPD1104040A.DS	110	4.0	40	Double serrated
BPD1104060A.DS	110	4.0	60	Double serrated
BPD1103690A.DS	110	3.6	90	Double serrated
BPD11036120A.DS	110	3.6	120	Double serrated
BPD11040B.DS	110	4.0	0	Single serrated
BPD11030CH.DS	110	3.0	0	Smooth with guard



Single-use Sterile Larynx Shaver				
Model	L (mm)	ΦD (mm)	α(°)	Blade Tip Type
HPD2254018A.DS	225	4.0	18	Double serrated
HPD2754018A.DS	275	4.0	18	Double serrated



Single-use Sterile Adenoid & Tonsil Shaver				
Model	L (mm)	ΦD (mm)	α(°)	Blade Tip Type
YPD1104012A.DS	110	4.0	12	Double serrated
YPD1104040A.DS	110	4.0	40	Double serrated



Single-use Sterile Nasal Bur				
Model	L (mm)	ΦD (mm)	α(°)	Blade Tip Type
BZT11540QH.DS	115	4.0	0	Cutting edge with guard
BZT1104015QH.DS	110	4.0	15	Cutting edge with guard
BZT1152515J.DS	115	2.5	15	Round diamond
BZT1154015J.DS	115	4.0	15	Round diamond
BZT1152530J.DS	115	2.5	30	Round diamond
BZT1154030J.DS	115	4.0	30	Round diamond
BZT1204070J.DS	120	4.0	70	Round diamond
BZT1152515JH.DS	115	2.5	15	Round diamond (with guard)



High-speed Drill

Efficient. Stable. Safe.



Micromotor DJ21/DJ6A

- Automatic air-cooling
- Max. speed: 40,000 rpm
- Power: 100 W
- Torque: 11 mNm
- Steam autoclavable

High-speed Handpiece MSB1A,MSB2A

- Max speed: 40,000 rpm / 80,000 rpm
- Working Length: 70/95/125/150 mm
- Shape: Straight, 21°angled
- Radial runout < 0.01 mm, emergency stop < 0.2 s
- Wide range of consumables available



Round Stainless-steel			
Model	ΦD (mm)	L(mm)	
SR2008B70.DS	2.0	70	
SR3010B70.DS	3.0	70	
SR4012B70.DS	4.0	70	
SR5012B70.DS	5.0	70	

Oblique-fluted Acorn Stainless-steel			
Model	ΦD (mm)	L(mm)	
SOA4008B70.DS	4.0	70	
SOA6008B70.DS	6.0	70	

Straight-fluted Acorn Stainless-steel			
Model	ΦD (mm)	L(mm)	
SSA5008B70.DS	5.0	70	
SSA7008B70.DS	7.0	70	

Match-head Stainless-steel			
Model	ΦD (mm)	L(mm)	
SM1702B70.DS	1.7	70	
SM2202B70.DS	2.2	70	
SM3002B70.DS	3.0	70	

Round Diamond			
Model	ΦD (mm)	L(mm)	
DR1017B70.DS	1.0	70	
DR2017B70.DS	2.0	70	
DR3014B70.DS	3.0	70	
DR4012B70.DS	4.0	70	
DR5012B70.DS	5.0	70	
DR6012B70.DS	6.0	70	
DR7012B70.DS	7.0	70	

Round Carbide			
Model	ΦD (mm)	L(mm)	
CR1006B70.DS	1.0	70	
CR2008B70.DS	2.0	70	
CR3010B70.DS	3.0	70	
CR4012B70.DS	4.0	70	
CR5012B70.DS	5.0	70	

High-speed Micro Drill

Efficient. Stable. Safe.



Micro Bur Handpiece XMSB1-Z, XMSB2-W

- Max speed: 40,000 rpm/80,000 rpm
- Shape: Straight, 21°angled



Round Diamond Micro Bur			
Model	ΦD (mm)	L(mm)	Angle α (°)
DRM1017X90.DS	1.0	90	0
DRM2017X90.DS	2.0	90	
DRM1017X98.DS	1.0	98	
DRM2017X98.DS	2.0	98	
DRM1017X115.DS	1.0	115	20
DRM2017X115.DS	2.0	115	
DRM1017X9020.DS	1.0	90	
DRM2017X9020.DS	2.0	90	
DRM1017X9820.DS	1.0	98	20
DRM2017X9820.DS	2.0	98	
DRM1017X11520.DS	1.0	115	
DRM2017X11520.DS	2.0	115	



Round Stainless-steel Micro Bur			
Model	ΦD (mm)	L(mm)	Angle α (°)
SRM1006X90.DS	1.0	90	0
SRM2008X90.DS	2.0	90	
SRM1006X98.DS	1.0	98	
SRM2008X98.DS	2.0	98	
SRM1006X115.DS	1.0	115	20
SRM2008X115.DS	2.0	115	
SRM1006X9020.DS	1.0	90	
SRM2008X9020.DS	2.0	90	
SRM1006X9820.DS	1.0	98	20
SRM2008X9820.DS	2.0	98	
SRM1006X11520.DS	1.0	115	
SRM2008X11520.DS	2.0	115	



Telescoping Mastering Deep Access

Designed for Trans-nasal Skull Base Surgery



Slim Bur Handpiece MSB2-WX

- Max. speed: 80,000 rpm
- 21° angled shape

Telescoping Tube			
Model	Tube diameter ΦD (mm)	L(mm)	Angle α(°)
MSBF45I2155	4.5	155	12
MSBF45I55	4.5	155	0
MSBF45H155(with guard)	4.5	155	0

Telescoping Tube MSBF

- Tube diameter: 4.5 mm
- Length: 80-175 mm
- Angle: 0-12°
- Shape: straight, curved, angled



Round Stainless-steel		
Model	ΦD (mm)	L(mm)
SR30I0G175.DS	3.0	175
SR40I2G175.DS	4.0	175



Round Diamond		
Model	ΦD (mm)	L(mm)
DR30I4G175.DS	3.0	175
DR40I2G175.DS	4.0	175



Match-head Diamond		
Model	ΦD (mm)	L(mm)
DM30I4G175.DS	3.0	175
DM40I2G175.DS	4.0	175

Universal Bendable Bur

Reach the Unreachable

Patented rigid, stepless stereoscopic steering technology for precise decompression.

Circumferential Adjustment
0-360°



Radial Adjustment
0-36°



Round Diamond		
Model	ΦD (mm)	L(mm)
DRC25A1S	2.5	131
DRC35A1S	3.5	131
DRC45B1S	4.5	133

Round Stainless-steel		
Model	ΦD (mm)	L(mm)
SRC25A1S	2.5	131
SRC35A1S	3.5	132
SRC45B1S	4.5	133

Cylinder Stainless-steel		
Model	ΦD (mm)	L(mm)
SCC25A1S	2.5	131
SCC35A1S	3.5	132

Bendable Bur Handpiece MSBC-W

- Max. speed: 20,000 rpm
- Tube diameter: 3.5 mm,4.2 mm



EES-Optimized Drill

Protecting External Auditory Canal Skin
and Endoscope Instruments



Slim Bur Handpiece MSB2-WX

Max speed: 80,000 rpm

Irrigation Attachment

Self-irrigating for more convenience

Micromotor DJ21/DJ6A

Telescoping Tube			
Model	Tube diameter ΦD (mm)	L(mm)	Angle $\alpha(^{\circ})$
MSBF3090	3.0	90	0



Round Diamond		
Model	ΦD (mm)	L(mm)
DR1017G111.DS	1.0	111
DR2017G111.DS	2.0	111
DR3014G111.DS	3.0	111
DR4012G111.DS	4.0	111



Round Stainless-steel		
Model	ΦD (mm)	L(mm)
SR1006G111.DS	1.0	111
SR2006G111.DS	2.0	111
SR3010G111.DS	3.0	111
SR4012G111.DS	4.0	111



Micro Drill & Saw Blade

Optional Configuration



Micro Reciprocating Saw XWFJ, XWFJ1

- Max. frequency: 20,000 c/min
- Interval: 2.5 mm
- Installation direction: 0-360°

Micro Cannulated Drill XKXZ2

- Max. speed: 3,000 rpm
- Φ : 1.0-2.5 mm

Micro Oscillating Saw XCBJ, XCBJ1

- Max. frequency: 20,000 c/min
- Scope of swinging: 4°
- Installation direction: 0 - 360°

Micro Sagittal Saw XPBJ

- Max. frequency: 20,000 c/min
- Scope of swinging: 4°
- Installation direction: 0 - 180°

Twist Bur & Drill (XKXZ2)

Model	Φ D (mm)	L(mm)
GT6015.DS	1.5	60
GT10020.DS	2.0	100
GT14532.DS	3.2	145
GT15540.DS	4.0	155
GT19545.DS	4.5	195
GZ25020Z.DS	2.0	250
GZ25025Z.DS	2.5	250
GZ30008Z.DS	0.8	300
GZ30010Z.DS	1.0	300
GZ30012Z.DS	1.2	300
GZ30020Z.DS	2.0	300
GZ30025Z.DS	2.5	300



Reciprocating Saw Blade (XWFJ, XWFJ1)

Model	L(mm)	Tooth width W(mm)	Saw blade thickness T(mm)
WJP1506.DS	65	15	0.6
WJP2406.DS	75	24	0.6
WJP3106.DS	81	31	0.6
WJP6006.DS	85	60	0.6
WJPZ81070304.DS	81	7	0.3
WJPZ85230306.DS	85	23	0.3
WJPZ85270306.DS	85	27	0.3
WJPZ105270306.DS	105	27	0.3
WJPZ91330306.DS	91	33	0.3
WJPZ111330306.DS	111	33	0.3



Oscillating Saw Blade (XCBJ, XCBJ1)

Model	L(mm)	Tooth width W(mm)	Swing amplitude (mm)
CBJP72100308.DS	72	10	0.3
CBJP72160312.DS	72	16	0.3
CBJP105090307110.DS	105	9	0.3
CBJP107090312110.DS	107	9	0.3



Saw Blade (XPBJ)

Model	Effective length L(mm)	Tooth width W(mm)	Saw blade thickness T(mm)
BJP180403.DS	18	4	0.3
BJP311003.DS	31	10	0.3
BJP501004.DS	50	10	0.4
BJP701909.DS	70	19	0.9
BJP901309.DS	90	13	0.9
BJP901909.DS	90	19	0.9

