

Version :2025

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The picture and parameter are only for reference, will be based on the actual usage if any changes

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AKOS





► Product contents

Increasing handpiece

Low speed handpiece

High speed handpiece

Handpiece spare part

Niti File System & Burs

Electric Deviece

Dental Chair Parts

www.akosdent.com

ABOUT US

● 关于我们

FOSHAN AKOS MEDICAL INSTRUMENT CO.,LTD is a professional dental handpiece and accessories manufacturer.

Our main products:High and low speed Handpiece,contra angles with most ratio..etc, we have an experienced R&D team, which can provide good OEM, ODM services. All of our products are CE & ISO certified.

Nowadays, we have established long term partnership with our clients from all over the world, and our products have been approved by many distributors and manufacturers.

AKOS DENT will never stop our innovative step and will continue to improve our products and quality in the future, in order to support our client with full effort, and provide the best after sales service to our clients.

Look forward to cooperation with you together !

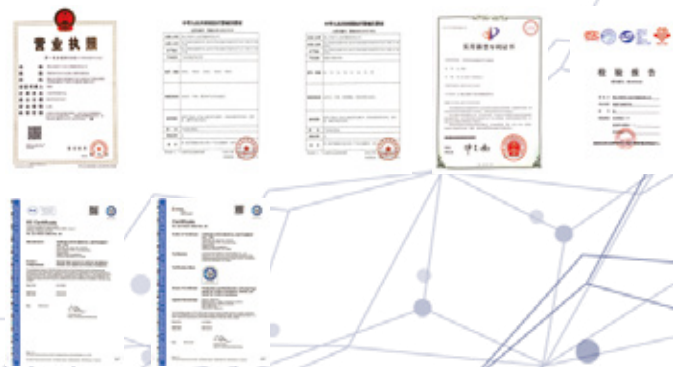
佛山市耐可士医疗器械有限公司是一家专业生产牙科器械的企业。我们拥有一支专业、诚信、富有经验技术的团队。

我们专业生产：高速手机低速手机，各种比例弯机等，有专门经验丰富的研发团队，能提供定制服务和生产支持，所有产品均通过国内外重要认证。

目前，我们已经与世界各地的客户建立了长期的合作关系，我们的产品已经得到了许多经销商和制造商的认可。

我们将永远不会停止创新的步伐，并将继续精进我们的产品和服务，以全力支持我们的客户，并为我们的客户提供最好的售后服务。

我们期待与您的合作！





Main Markets



Domestic Market
国内市场

Southeast Asia
东南亚

Europe
欧洲

Mid East
中东

South America
南美

2015 Established as a dental handpiece accessories manufacturer
成立牙科配件生产线

2016 Established a handpiece technician develop team
成立一支牙科手机技术研发队伍

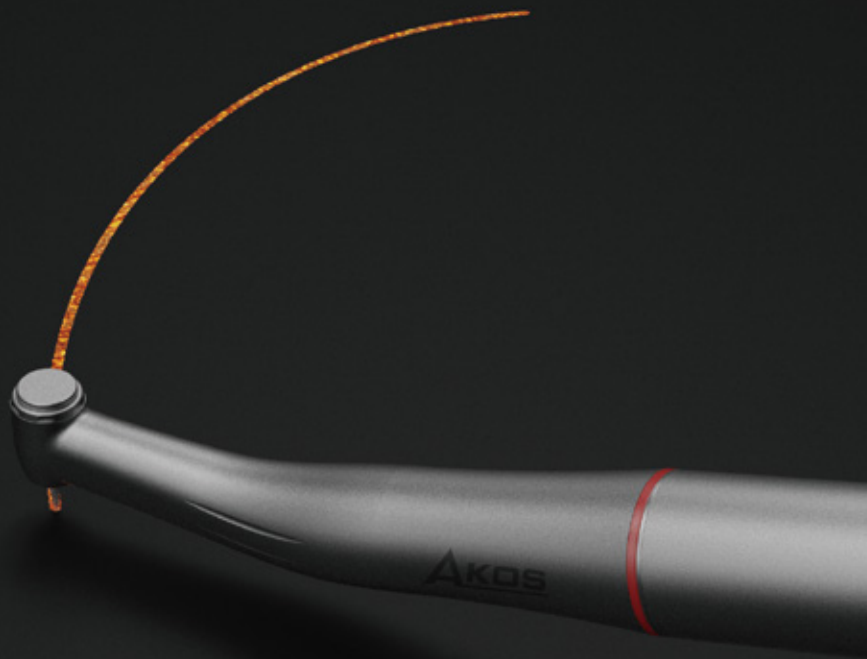
2017 Starting to produce dental handpiece, marketing as a domestic brand NKS
开始生产牙科手机, 并开始以国内品牌NKS开始销售

2018 Move to new factory, established a team for exportation, and a new brand AKOS
搬迁至新厂房, 建立外贸团队, 国外品牌为AKOS

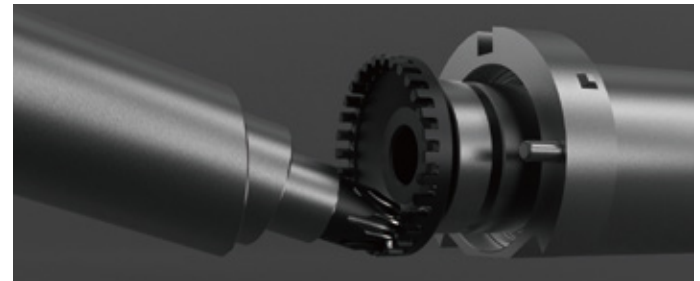
2019 Starting to produce dental electronic devices
开始生产牙科电子产品

Increasing Contra Angle Series

增速弯机系列



DLC Coating & Imported Ceramic Ball Bearing



Gear and other spare parts are 100% compatible with the original Ti-Max X95, with the high quality DLC coating can ensure the long service life of our instruments, also without any uncomfortable noise to your patient. Imported ceramic bearing ensure the stability of our rotor, even under the extreme high speed and large load.



Quattro spray,excellent cooling effect

4 points water spray, anti-retraction system, excellent cooling performance, high transparent fiber optic, ensure the light intensity



DURA COAT

Dura coat creates a smooth , scratch resistant surface which is comfortable to hold



Dismantable head

New patented dismantable head structure,head group can be remove easily without needing any special tools, convenient for future maintenance.

Inner/External Channel

1:5 Contra Angle

[内/外水道1:5增速弯机]

TECHNICAL PARAMETER 技术资料	
Working dB 工作噪音	≤68dB
Working temperature 机身温度	≤20℃
Maximum speed 最高转速	Max. 200,000RPM
Head size 机头大小	Standard Head W10mm/ H14.65mm Mini Head W8.8mm/ H12.1mm

1 :5 Mini Head Contra Angle

[1:5 迷你增速弯机]



Jet 喷水



Mist 雾化



Easier access



FIBEROPTIC 光纤

NONE FIBER 非光纤

Order-code 编号: K25-CA-ML

Order-code 编号: K25-CA-M

PUSH 按压式 O FG 高速 Ø1.6

1:5 Full S.S. External Contra Angle

[1:5 全不锈钢增速弯机]



FIBEROPTIC 光纤

PUSH 按压式 O FG 高速 Ø1.6

Order-code 编号: K25-CA-XL

1:5 Full S.S. Contra Angle

[1:5 全不锈钢增速弯机]



Jet 喷水



Mist 雾化



FIBEROPTIC 光纤

NONE FIBER 非光纤

Order-code 编号: K25-CA-L+

Order-code 编号: K25-CA+

PUSH 按压式 O FG 高速 Ø1.6

1:5 Contra Angle

[1:5 镀钛增速弯机]



Jet 喷水



Mist 雾化



FIBEROPTIC 光纤

NONE FIBER 非光纤

Order-code 编号: K25-CA-L

Order-code 编号: K25-CA

PUSH 按压式 O FG 高速 Ø1.6

1:5 Contra Angle

[KAVO款1:5增速弯机]



Jet 喷水



Mist 雾化



FIBEROPTIC 光纤

PUSH 按压式 O FG 高速 Ø1.6

Order-code 编号: K25-CA-KL

Inner/External Channel

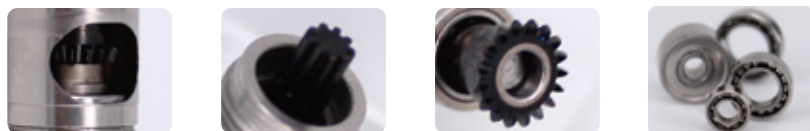
1:4.2 Contra Angle

[内/外水道1:4.2弯机]

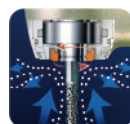
TECHNICAL PARAMETER 技术资料

Working dB 工作噪音	≤68dB
Working temperature 机身温度	≤20℃
Maximum speed 最高转速	Max. 168,000RPM
Head size 机头大小	W10mm/ H14.65mm

DLC Coating & Imported Ceramic Ball Bearing

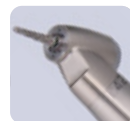


Gear and other spare parts are 100% compatible with the original Ti-Max Z45L, with the high quality DLC coating can ensure the long service life of our instruments, also without any uncomfortable noise to your patient. Imported ceramic bearing ensure the stability of our rotor, even under the extreme high speed and large load.



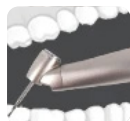
Anti-retraction head, avoid cross-infection

Speical designed head, blood and dirt will face many obstacle to get inside the head, ensure the service life of the bearing and spindle



Quattro spray, excellent cooling effect

4 points water spray, anti-retraction system, excellent cooling performance, high transparent fiber optic, ensure the light intensity



Easier access

The 45° head and body shape of the new model improve access to the molar region.

1:4.2 Contra Angle

[1:4.2 增速弯机]



Jet 喷水



Mist 雾化



FIBER OPTIC 光纤 Order-code 编号: K25-45CA-L

NONE FIBER 非光纤 Order-code 编号: K25-45CA

FIBER OPTIC 光纤 PUSH 按压式 O FG 高速 Ø1.6

1:4.2 External Contra Angle

[1:4.2 外水道增速弯机]



FIBER OPTIC 光纤 Order-code 编号: K25-45CA-XL

NONE FIBER 非光纤 Order-code 编号: K25-45CA-X

PUSH 按压式 O FG 高速 Ø1.6

Low Speed Handpiece Series

低速手机系列



External Channel

20:1/32:1 Contra Angle

[20:1/32:1 种植弯机]

TECHNICAL PARAMETER 技术资料	
Working dB 工作噪音	≤48dB
Working temperature 机身温度	≤20℃
Maximum speed 最高转速	Max. 2,000RPM
Head size 机头大小	W9.7mm/ H13.78mm

The handpiece can be used in any brand of implant system



Large Torque

Maximum torque required for operation is 65N, our designed maximum torque is 75N, the Minimum torque to break our handpiece is 125N



Special designed irrigation

The irrigation point is implanted inside the head, spray to the drill accurately, and not easy to be damaged while fall down to the floor

20:1 Mini Head Implant Contra Angle

[20:1 迷你头种植弯机]



FIBER OPTIC 光纤 Order-code 编号: K26-CA-ML
NONE FIBER 非光纤 Order-code 编号: K26-CA-M
PUSH 按压式 O CA 减速 Ø2.35

20:1 Implant Contra Angle

[20:1 种植弯机]



FIBER OPTIC 光纤 Order-code 编号: K26-CA-L
NONE FIBER 非光纤 Order-code 编号: K26-CA
PUSH 按压式 O CA 减速 Ø2.35

20:1 LED Generator Contra Angle

[20:1 风光种植弯机]



GENERATOR 风光 Order-code 编号: K26-CA-WG
FIBER OPTIC 光纤 Order-code 编号: K26-CA-WL
PUSH 按压式 O CA 减速 Ø2.35

20:1 Economic Generator Contra Angle

[20:1 种植弯机 经济款]



GENERATOR 风光 Order-code 编号: K26-CA-NG
FIBER OPTIC 光纤 Order-code 编号: K26-CA-NL
PUSH 按压式 O CA 减速 Ø2.35

20:1 Implant Contra Angle
[KAVO款 20:1种植弯机]



FIBER OPTIC 光纤 Order-code 编号: K26-CA-KL
PUSH 按压式 O CA 减速 Ø2.35

20:1 Contra Angle
[20:1 种植弯机]



NONE FIBER 非光纤 Order-code 编号: K26-CA-N
PUSH 按压式 O CA 减速 Ø2.35

20:1 Contra Angle
[WH款 20:1种植弯机]



NONE FIBER 非光纤 Order-code 编号: K26-CA-W
PUSH 按压式 O CA 减速 Ø2.35

32:1 Mini Head Implant Contra Angle
[32:1 迷你头种植弯机]



FIBER OPTIC 光纤 Order-code 编号: K32-CA-ML
NONE FIBER 非光纤 Order-code 编号: K32-CA-M
PUSH 按压式 O CA 减速 Ø2.35

ReductionContra Angle

[减速弯机]

TECHNICAL PARAMETER 技术资料	
Working dB 工作噪音	≤58dB
Working temperature 机身温度	≤20℃
Maximum speed 最高转速	4:1, 8:1, 10:1

4:1 Mini Head Contra Angle

[4:1 迷你头弯机]



FIBER OPTIC 光纤 Order-code 编号: K27-CA-ML
NONE FIBER 非光纤 Order-code 编号: K27-CA-M
PUSH 按压式 OCA 减速Ø2.35

4:1 Contra Angle

[4:1 弯机]



FIBER OPTIC 光纤 Order-code 编号: K27-CA-KL
NONE FIBER 非光纤 Order-code 编号: K27-CA-K
PUSH 按压式 OCA 减速Ø2.35

8:1 Mini Head Contra Angle

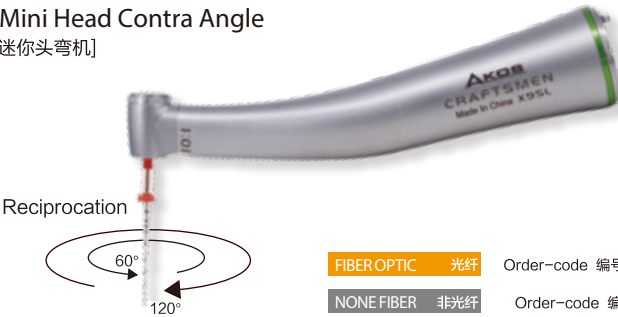
[8:1 迷你头弯机]



FIBER OPTIC 光纤 Order-code 编号: K28-CA-ML
NONE FIBER 非光纤 Order-code 编号: K28-CA-M
PUSH 按压式 OCA 减速Ø2.35

10:1 Mini Head Contra Angle

[10:1 迷你头弯机]



FIBER OPTIC 光纤 Order-code 编号: K29-CA-ML
NONE FIBER 非光纤 Order-code 编号: K29-CA-M
PUSH 按压式 OCA 减速Ø2.35

16:1 Mini Head Contra Angle

[16:1 迷你头弯机]



FIBER OPTIC 光纤 Order-code 编号: K30-CA-ML
NONE FIBER 非光纤 Order-code 编号: K30-CA-M
PUSH 按压式 OCA 减速Ø2.35

ReductionContra Angle

[减速弯机]

TECHNICAL PARAMETER 技术资料	
Working dB 工作噪音	≤58dB
Working temperature 机身温度	≤20℃
Maximum speed 最高转速	4: 1, 16: 1

4:1/16:1 Contra Angle

[4:1/16:1 弯机]



Order-code 编号: K27-CA 4:1 K30-CA-ML 16:1

PUSH 按压式 O CA 减速Ø2.35

4:1 Polish Contra Angle

[4:1 抛光弯机]



Order-code 编号: K27-CA-P

O CA 减速Ø2.35

4:1 Interproximal Enamel Kit

[4:1切片弯机]

TECHNICAL PARAMETER 技术资料	
Working dB 工作噪音	≤58dB
Working temperature 机身温度	≤20℃
Maximum speed 最高转速	10,000RPM

4:1 Contra Angle

[4:1 弯机]



Order-code 编号: K27-CA-IPR2

CA 减速 Ø2.35

4:1 Contra Angle

[4:1 弯机]

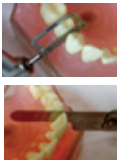


Order-code 编号: K27-CA-IPR1

CA 减速 Ø2.35

16:1 Contra Angle

[16:1 弯机]



Order-code 编号: K27-SET

CA 减速 Ø2.35



Two side diamond (with hole) 有孔式(双侧切砂片) 	15 μm	15HD	0.17mm	2pcs	预抛光
	25 μm	25HD	0.19mm	2pcs	精修
	40 μm	40HD	0.23mm	2pcs	仿型
	60 μm	60HD	0.32mm	2pcs	减速去釉
	90 μm	90HD	0.40mm	2pcs	邻面开齿

- 1.Carborundum blade is stable and durable
- 2.It has a good compatibility with all kinds of handpiece
- 3.There are holes in the blade,which can effectively discharge the water and powder produced in the glaze.
- 1.邻面片切砂片，拥有金刚砂刀身，持久耐用。
- 2.采用了更加牢固的锁扣式设计，保持完全固定和良好的兼容性。
- 3.砂片上有孔，可以有效排出去釉时产生的水和粉末

1:1 Fiber OPTic Handpiece

[1:1光纤手机]

TECHNICAL PARAMETER 技术资料	
Working dB 工作噪音	≤63dB
Maximum speed 最高转速	Max. 40,000RPM
Air consumption 耗气量	56NL/min
Air pressure 气压	2.8~3.0Kpa

1:1 Inner Contra Angle

[1:1 内水道弯机]



FIBER OPTIC 光纤	Order-code 编号: K23-CA-L	OCA 减速 Ø2.35	K23-CA-GL	OFG 高速 Ø1.6
NONE FIBER 非光纤	Order-code 编号: K23-CA	OCA 减速 Ø2.35	K23-CA-G	OFG 高速 Ø1.6
PUSH 按压式				

1:1 Mini Head Contra Angle

[1:1 迷你头弯机]



FIBER OPTIC 光纤	Order-code 编号: K23-CA-ML	INNER 内水道	K23-CA-XML	EXTERNAL 外水道
NONE FIBER 非光纤	Order-code 编号: K23-CA-M	INNER 内水道	K23-CA-MX	EXTERNAL 外水道
PUSH 按压式				

1:1 Inner Contra Angle

[1:1 内水道弯机]



FIBER OPTIC 光纤	Order-code 编号: K23-CA-KL
NONE FIBER 非光纤	Order-code 编号: K23-CA-K
PUSH 按压式 OCA 减速 Ø2.35	

1:1 Straight Head

[1:1 内水道直机]



FIBER OPTIC 光纤	Order-code 编号: K23-SH-L	INNER 内水道	K23-SH-XL	EXTERNAL 外水道
NONE FIBER 非光纤	Order-code 编号: K23-SH	INNER 内水道	K23-SH-X	EXTERNAL 外水道
OCA 减速 Ø2.35				

1:1 Straight Head

[1: 1 KAVO款内水道直机]



NONE FIBER 非光纤	Order-code 编号: K23-SH-K	INNER 内水道
OCA 减速 Ø2.35		

External Channel

1:1 Handpiece
[外水道1:1手机]

TECHNICAL PARAMETER 技术资料	
Working dB 工作噪音	≤63dB
Maximum speed 最高转速	Max. 40,000RPM
Air consumption 耗气量	56NL/min
Air pressure 气压	2.8~3.0Kpa

1:1 External Contra Angle
[1:1 外水道弯机]



Order-code 编号: K20-CA

PUSH 按压式 CA 减速 Ø2.35

1:1 External Contra Angle
[1:1 外水道弯机]



 PUSH 按压式 Order-code 编号: K21-CA-P
 WRENCH 锁针式 Order-code 编号: K21-CA

CA 减速 Ø2.35

1:1 External Contra Angle
[1:1 外水道弯机]



 PUSH 按压式 Order-code 编号: K22-CA-P
 WRENCH 锁针式 Order-code 编号: K22-CA

CA 减速 Ø2.35

1:1 External Straight Head
[1:1 外水道直机]



Order-code 编号: K20-SH

CA 减速 Ø2.35

1:1 External Straight Head
[1:1 外水道直机]



Order-code 编号: K21-SH

CA 减速 Ø2.35

1:1 External Straight Head
[1:1 外水道直机]



PUSH 按压式

Order-code 编号: K22-SH

CA 减速 Ø 2.35

1:1 External Straight Head
[1:1 外水道直机]



Order-code 编号: K20-SH-1

CA 减速 Ø 2.35

1:1 External Straight Head
[1:1 外水道直机]



Order-code 编号: K20-SH-2

CA 减速 Ø 2.35

External Channel
1:2 Handpiece
[外水道1:1手机]

TECHNICAL PARAMETER 技术资料

Working dB 工作噪音	≤63dB
Maximum speed 最高转速	Max.80,000RPM
Air consumption 耗气量	56NL/min
Air pressure 气压	2.8~3.0Kpa

1:2 External Straight Head
[1:2 外水道手术直机]



Order-code 编号: K20-SH-3

CA 加速 Ø 2.35

1:2 External Straight Head
[1:2 外水道手术弯机]



Order-code 编号: K20-SH-4

CA 加速 Ø 2.35

External Channel

4:1/3.2:1 Straight Head

[4:1/3.2:1外水道直机]

TECHNICAL PARAMETER 技术资料	
Working dB 工作噪音	≤58dB
Working temperature 机身温度	≤20℃
Maximum speed 最高转速	4:1, 3.2:1

4:1 External Straight Head

[4:1 外水道直机]

Options:



Order-code 编号: K20-SH-4

OCA 减速Ø 2.35

3.2:1 External Straight Head

[3.2:1 外水道直机]



Order-code 编号: K20-SH-32

OCA 减速Ø 2.35

1:1 Air Motor / LED Air Motor

[1:1气动马达/LED气动马达]

TECHNICAL PARAMETER 技术资料	
Maximum speed 最高转速	Max. 20,000RPM
Air consumption 耗气量	56NL/min
Air pressure 气压	2.8~3.0Kpa
Forward 正转	≥ 1.8000r/min
Reverse 反转	≥ 1.7000r/min

AIR MOTOR FEATURE:

- The whole body is made of stainless steel and imported EZO bearing. Self-lubrication eccentric stator, imported material molding blades
- Internal circulation cooling system, no vibration, no heat
- Patented water filter can effectively prevent the problems from the water spray and cooling system
- Compatible with all the handpiece that existing in the market

气动马达特点:

- 整体机身采用不锈钢外壳，进口EZO轴承自润滑偏心定子，进口材料成型叶片。
- 内循环冷却系统，不震动，不发热。搭配专利水过滤器结构，有效防止内水道水路堵塞等。
- 冷却的不良问题。
- 通配市场所有低速内水道直机/弯机无缝对接。



1:1 Mini Inner Air Motor

[1:1 迷你内水道气动马达]



2 hole or 4 hole

Order-code 编号: K23-AM-M

1:1 Inner Air Motor
[1:1 内水道气动马达]



Order-code 编号: **K23-AM**

1:1 Inner Air Motor With Generator
[1:1 KAVO款内水道气动马达]



Order-code 编号: **K23-AM-K**

1:1 Inner Air Motor With LED Generator
[1:1 风光内水道气动马达]



Order-code 编号: **K23-AM-G**

GENERATOR 风光

1:1 Mini Inner Air Motor With LED
[1:1 迷你光纤内水道气动马达]



Order-code 编号: **K23-AM-L**

FIBER OPTIC 光纤

1:1 External Air Motor
[1:1 外水道气动马达]



Order-code 编号: **K22-AM**

1:1 External Air Motor
[1:1 外水道气动马达]



Order-code 编号: **K20-AM**

1:2 Increasing Air Motor [1:2增速气动马达]

TECHNICAL PARAMETER 技术资料		
Maximum speed 最高转速	Max. 40,000RPM	
Air consumption 耗气量	56NL/min	
Air pressure 气压	≥ 3.0Kpa	
Forward 正转	≥ 3,800r/min	
Reverse 反转	≥ 3,500r/min	

AIR MOTOR FEATURE:

- The whole body is made of stainless steel and imported EZO bearing. Self-lubrication eccentric stator, imported material molding blades
- Internal circulation cooling system, no vibration, no heat
- Patented water filter can effectively prevent the problems from the water spray and cooling system
- Compatible with all the handpiece that existing in the market

气动马达特点:

- 整体机身采用不锈钢外壳，进口EZO轴承自润滑偏心定子，进口材料成型叶片。
- 内循环冷却系统，不震动，不发热。搭配专利水过滤器结构，有效防止内水道水路堵塞等。
- 冷却的不良问题。
- 通配市场所有低速内水道直机/弯机无缝对接。



OO or OO
2 hole 4 hole

Order-code 编号: K24-AM

1:2 Increasing Inner Air Motor With LED [1:2 增速LED内水道气动马达]



OO or OO
2 hole 4 hole

Order-code 编号: K24-AM-G

GENERATOR 风光

1:2 Increasing Inner Air Motor With LED [1:2 增速LED内水道气动马达]



OO
6 hole

Order-code 编号: K24-AM-L

FIBER OPTIC 光纤

4:1 Air Motor / LED Air Motor [4:1气动马达 / LED气动马达]

TECHNICAL PARAMETER 技术资料

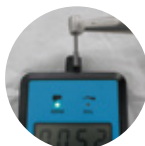
Maximum speed 最高转速	Max.5000RPM
Air consumption 耗气量	56NL/min
Air pressure 气压	2.8~3.0Kpa
Forward 正转	≥4800r/min
Reverse 反转	≥4500r/min

AIR MOTOR FEATURE:

The 4:1 Dental Air Motor is meticulously crafted using advanced technology and premium materials, ensuring durability and longevity. Its compact and ergonomic design allows for comfortable handling, reducing fatigue during prolonged use. With its powerful yet quiet operation, this air motor guarantees a smooth and seamless dental treatment process.

气动马达特点:

4:1牙科减速马达是精心制作使用先进的技术和优质材料，确保耐久性和寿命。它的紧凑和符合，人体工程学的设计允许舒适的操作，减少疲劳在长期使用。由于它强大而安静的操作，这个空气马达保证了一个顺利和无缝的牙科治疗过程。



Order-code 编号: **K25-AM**



1 year warranty

4:1 Mini Inner Air Motor With LED [4:1 减速LED内水道气动马达]



Order-code 编号: **K25-AM-G**

GENERATOR 风光

4:1 Inner Air Motor With LED Generator [4:1 减速光纤内水道气动马达]



Order-code 编号: **K25-AM-L**

FIBER OPTIC 光纤



1 year warranty

Inner/External Channel

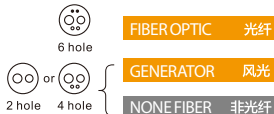
1:1 Low speed set

[内/外水道1:1低速套装]

- The whole body is made of stainless steel, the head is manufactured by integral moulding, more durable.
- The body is according to human body mechanics, ultra silent, super torque.
- Patented water filter can effectively prevent the problems from the water spray and cooling system.
- 整体机身采用不锈钢材质，机头一体成型工艺，精工细琢、完美配备。
- 人体力学曲面外形，超静音超扭力。
- 内循环冷却，搭配专利水过滤器结构，有效防止内水道水路堵塞等冷却不良问题。

1:1 Inner Set

[1:1 内水道套装]



Order-code 编号: K23-SET-L

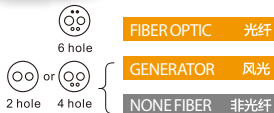
Order-code 编号: K23-SET-G

Order-code 编号: K23-SET

OCA 减速 Ø 2.35 PUSH 按压式

1:1 Mini Head Inner Set

[1:1 迷你内水道套装]



Order-code 编号: K23-SET-ML

Order-code 编号: K23-SET-MG

Order-code 编号: K23-SET-M

OCA 减速 Ø 2.35 PUSH 按压式

1:1 External Set

[1:1 外水道套装]



PUSH 按压式 Order-code 编号: K22-SET-P

WRENCH 锁针式 Order-code 编号: K22-SET

WRENCH 锁针式 OCA 高速 Ø 2.35

1:1 External Set

[1:1 外水道套装]



PUSH 按压式 Order-code 编号: K21-SET-P

WRENCH 锁针式 Order-code 编号: K21-SET

OCA 高速 Ø 2.35

1:1 External Set

[1:1 外水道套装]



Order-code 编号: K20-SET

PUSH 按压式 OCA 高速 Ø 2.35

Fiber Optic High Speed Series

光纤高速手机系列



Excellent cooling performance

4 Point water & mist spray, anti-retraction, providing gentle mist during the surgery



Imported ceramic ball bearing

German steel plus Japanese ceramic ball, combine a finest quality bearing for the turbine, ensure a stable performance and double the life cycle



Tungsten steel push button shaft



Titanium impeller



Compatibility

Compatible with NSK / KAVO type quick coupling, convenient for replacing the turbines



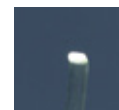
Special patented filter system

Equipped with a special filter design and one way valve, blocking most of the dirt from getting inside the water tube



Powerful handpiece rotor

High performance handpiece rotor, quiet and powerful with **35W-40W**



High transparent fiber glass rod

40,000 LUX solid fiber optic cellular glass rod, ensure the sufficient illumination for the treatment

Compatible with KAVO Machlite

Fiber Optic High Speed Handpiece (Titanium)

[高速光纤钛合金手机 通配KAVO 款光纤快接头]

TECHNICAL PARAMETER 技术资料	
Working dB 工作噪音	≤ 55dB
Water spraying mode 喷水方式	4 Points spray(四点喷水)
Maximum speed 最高转速	290,000~360,000rpm
Rated air pressure 额定气压	2.5-3.0Kpa
Output power 输出功率	35W~40W
Head size 机头大小	Torque (大头) w12.5 / h13.3 mm w12.1 / h13.7 mm Standard (标准) w11.25 / h13.3mm Mini (迷你) w10.08 / h10.85 mm Mini 45° (45°) w11.25 / h10.85mm

Torque Head [大头]



Standard Head [标准头]



Mini Head [小头]



45° Head [45° 头]



KAVO Type Quick Coupling [KAVO型快接头]



Compatible with NSK Machlite

Fiber Optic High Speed Handpiece(Titanium)

[高速光纤钛合金手机 通配NSK款光纤快接头]

TECHNICAL PARAMETER 技术资料

Working dB 工作噪音	≤55dB
Water spraying mode 喷水方式	4 Points spray(四点喷水)
Maximum speed 最高转速	290,000~360,000rpm
Rated air pressure 额定气压	2.5-3.0Kpa
Output power 输出功率	35W~40W
Head size 机头大小	Torque (大头) w12.5 / h13.3 mm Standard (标准) w11.25 / h13.3mm Mini (迷你) w10.08 / h10.85 mm Mini 45° (45°) w11.25 / h10.85mm

Torque Head [大头]

Order-code 编号:
A07-TPQN

Order-code 编号:
A07-TPQN



Order-code 编号: A07-TPQN

FIBEROPTIC 光纤 PUSH 按压式

Standard Head [标准头]

Order-code 编号:
A07-SPQN



Order-code 编号: A07-SPQN

FIBEROPTIC 光纤 PUSH 按压式

Mini Head [小头]



Order-code 编号:
A07-MPQN



Order-code 编号: A07-MPQN

FIBEROPTIC 光纤 PUSH 按压式

45° Head [45° 头]



Order-code 编号:
A07-MPQN



Order-code 编号: A07-45-MPQN

FIBEROPTIC 光纤 PUSH 按压式

NSK Type Quick Coupling [NSK型快接头]

Order-code 编号:
Q-N1-M6

LED

六孔
6 hole

Order-code 编号:
Q-N2-M4

四孔/二孔
2 hole 4 hole

Order-code 编号:
Q-N3-M4

Generator LED
自发光

四孔/二孔
2 hole 4 hole

Compatible with NSK Machlite

Fiber Optic High Speed Handpiece

[高速光纤手机 通配NSK款光纤快接头]

TECHNICAL PARAMETER 技术资料	
Working dB 工作噪音	≤68dB
Water spraying mode 喷水方式	4 Points spray(四点喷水)
Maximum speed 最高转速	380,000~420,000rpm
Head size 机头大小	Standard (标准) w11.25 / h13.3mm Mini (迷你) w10.08 / h10.85 mm Torque (大头) w12.5 / h13.3 mm Mini 45° (45°) w10.08/ h10.85mm

Torque Head

[大头]



Standard Head

[标准头]



Mini Head

[小头]



45° Head

[45° 头]



NSK Type Quick Coupling

[NSK型快接头]



Compatible with KAVO Machlite

Fiber Optic High Speed Handpiece

[高速光纤手机 通配KAVO款光纤快接头]

TECHNICAL PARAMETER 技术资料	
Working dB 工作噪音	≤68dB
Water spraying mode 喷水方式	4 Points spray(四点喷水)
Maximum speed 最高转速	380,000~420,000rpm
Head size 机头大小	Standard (标准) w11.25 / h13.3mm Mini (迷你) w10.08 / h10.85 mm Torque (大头) w12.5 / h13.3 mm Mini 45° (45°) w10.08/ h10.85mm

Torque Head [大头]



Standard Head [标准头]



Mini Head [小头]



45° Head [45° 头]



KAVO Type Quick Coupling [KAVO型快接头]





LED Handpiece with Generator

LED自发光手机



Powerful Torque Cartridge

With imported bearing, rotor work more stable, silence, and life cycle is much longer



Finest craft spindle

We control all concentricity less than $15\text{ }\mu\text{m}$, some can be less than $10\text{ }\mu\text{m}$, we don't have problem of losing bur



Powerful generator

Generator is the heart of the LED, our generator can provide a high illumination, and at the same time more durable against the high temperature sterilization



Compatible with the quick coupling

Our generator handpiece can work with the international standard coupling, more convenient during the surgery

5 LED Shadowless Standard Head

[5灯无影标准头]



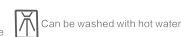
Order-code 编号:
R05-SPL



2 hole or 4 hole

Order-code 编号: **A05-SPL**

5 WAY SPRAY 5 AIR 5点喷水



Single LED Standard / Torque Head [单灯标准头/大头]



Single LED Standard / Torque Head [单灯标准头/大头]



5 LED Shadowless Standard Head [5灯无影标准头]



2 LED Paediatric Mini Head [双灯小头]



2 LED Paediatric Mini Head [双灯小头]



Single LED 45° Head [单灯45° 头]



Standard Handpiece Series

普通手机系列



Cartridge compatible with NSK

Anti-retraction Handpiece

[防回吸卫生机头手机]

TECHNICAL PARAMETER 技术资料	
Working dB 工作噪音	≤68dB
Power 功率	8.5N
Maximum speed 最高转速	350,000~380,000rpm
Head size 机头大小	Standard (标准) w11.25 / h13.3mm Torque (大头) w12.5 / h13.3 mm

Anti-retraction Push Button Handpiece

[防回吸按压手机]



Order-code 编号: R02-SPM3



Order-code 编号: R02-TPM3



Standard head Order-code 编号: A02-SPM3
Torque head Order-code 编号: A02-TPM3



2 hole 4 hole

4 way spray 4 air 4点喷水 4点喷气

Anti-retraction Standard Head Push Button Handpiece

[防回吸按压手机]



Order-code 编号: R02-SPM2



Order-code 编号: A02-SPM2



2 hole 4 hole

1 way spray 1 air 单点喷水 单点喷气

Anti-retraction 45° Push Button Handpiece

[防回吸45° 按压手机]



Order-code 编号: R02-SPM1



Order-code 编号: R02-TPM1



Order-code 编号: A02-45-SPM



2 hole 4 hole

1 way spray 单点喷水

Anti-retraction Push Button Handpiece

[防回吸按压手机]



Order-code 编号: R02-SPM1



Order-code 编号: R02-TPM1



Standard head Order-code 编号: A02-SPM1
Torque head Order-code 编号: A02-TPM1



2 hole 4 hole

1 way spray 1 air 单点喷水 单点喷气

Anti-retraction Push Button Handpiece With Quick Coupling

[防回吸按压快接手机]



Order-code 编号: R02-SPM1



Order-code 编号: R02-TPM1



Standard head Order-code 编号: A02-SPQ
Torque head Order-code 编号: A02-TPQ



Couplings



2 hole 4 hole

1 way spray 1 air 单点喷水 单点喷气

4 Points Spray Handpiece

[4点喷水手机]

Torque Head

[大头]



Standard Head

[标准头]



Mini Head

[迷你头]



45° Head

[45° 头]



Torque Head

[大头]



Standard Head

[标准头]



Handpiece Kit

[高低速手机组合套装/学生套装]

AK31-KIT-X

1 or 2 High 1 Low complete set

- High speed handpiece x 1 or 2
- Contra Angle x 1
- Straight head x 1
- Air motor x 1
- Luxury Aluminum or Normal Plastic

Free Cartridge for high speed x 1



AK31-KIT-3

2 High 1 Low complete set

- High speed handpiece (Push button) x 2
- Contra Angle (Latch type) x 1
- Straight head x 1
- Air motor (External water) x 1

Free Cartridge for high speed x 1



AK31-KIT-1

1 High 1 Low complete set

- High speed handpiece (Push button) x 1
- Contra Angle (Latch type) x 1
- Straight head x 1
- Air motor (External water) x 1

Free Cartridge for high speed x 1



AK31-KIT-4

1 High 1 Low complete set

- Anti-Retraction handpiece (Push button) x 1
- Contra Angle (Latch type) x 1
- Straight head x 1
- Air motor (External water) x 1

Free Cartridge for high speed x 1



AK31-KIT-2

2 High 1 Low complete set

- High speed handpiece (Wrench type) x 2
- Contra Angle (Latch type) x 1
- Straight head x 1
- Air motor (External water) x 1

Free Cartridge for high speed x 1



AK31-KIT-5

1 High 1 Low complete set

- Quattro spray handpiece (Push button) x 1
- Contra Angle (Push button) x 1
- Straight head x 1
- Air motor (Inner water) x 1

Free Cartridge for high speed x 1



Handpiece spare part

[牙科手机配件]

Low Speed

Shaft 传动轴

1 : 1

> Shaft 1-1

20 : 1

> Shaft 20-1

1 : 4.2

> Shaft 1-4.2

16 : 1

> Shaft 16-1

1 : 5

> Shaft 1-5

1 : 5M

> Shaft 1-5M

Cartridge 机芯



> R 1-1

1 : 1



> R 16-1

16 : 1



> R 20-1

20 : 1



> R 1-5

1 : 5



> R 1-4.2

1 : 4.2



> R 1-5M

1 : 5M

Head cap of contra angle 后盖



> Cap 1-1

1 : 1



> Cap 16-1

16 : 1



> Cap 20-1

20 : 1



> Cap 1-5

1 : 5



> Cap 1-4.2

1 : 4.2

High Speed

Cartridge 机芯

FOR NSK®



NPA-M03

> R01-M



NPA-MU03

> R01-MP



NPA-S03

> R01-S



NPA-SU03

> R01-SP



NPA-T03

> R01-T



NPA-TU03

> R01-TP



PAX-SU03

> R02-SPM1



PAX-TU03

> R02-TPM1



PAX2-SU03

> R01-SPM2



SX-MU03

> R01-SPM3



SX-SU03

> R02-TPM3



NSK-X500L

> R-X500L



NSK-X600L

> R-X600L

FOR KaVo®



KAVO-8000

> R-8000



KAVO-105/660

> R-105



KAVO-637

> R-637



原版

KAVO-645/642 Original

> R-645 Original



巴西版

KAVO-636/646 Brasil

> R-636 Brasil



德国版

KAVO-636/640/625/655 Germany

> R-636 Germany

FOR Sirona®



标准版

SIRONA T3 standard

> R-T3standard



迷你版

SIRONA T3 mini

> R-T3mini

FOR W&H®



W&H TE-96

> R-TE96



W&H TE-98

> R-TE98

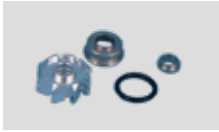
Shaft of cartridge high speed handpiece 高速手机机芯按压轴

Push button spindle 按压款

	10.6 mm	PS-10.6
	11.8 mm	PS-11.8
	12.6 mm	PS-12.6
	12.75 mm	PS-12.75
	13.75 mm	PS-13.75

Wrench button spindle 锁针款

	10.85 mm	WS-10.85
	12.55 mm	WS-12.55
	13.25 mm	WS-13.25

		FIT IN PAX-SU03	order-code Group-PAX-SU03	
		FIT IN PAX-S03	order-code Group-PAX-S03	
		FIT IN PAX-TU03	order-code Group-PAX-TU03	
		FIT IN PAX-T03	order-code Group-PAX-T03	
		FIT IN PAX2-SU03	order-code Group-PAX2-SU03	
		FIT IN PAX2-S03	order-code Group-PAX2-S03	
		FIT IN SX-MU03	order-code Group-SX-MU03	

		FIT IN SX-SU03	order-code Group-SX-SU03	
		FIT IN NPA-MU03	order-code Group-NPA-MU03	
		FIT IN NPA-M03	order-code Group-NPA-M03	
		FIT IN NPA-SU03	order-code Group-NPA-SU03	
		FIT IN NPA-S03	order-code Group-NPA-S03	
		FIT IN NPA-TU03	order-code Group-NPA-TU03	
		FIT IN NPA-T03	order-code Group-NPA-T03	

Head cap of high speed handpiece 高速手机后盖

Fit into NSK®



Fit in Sirona®



Fit into KaVo®

Quick coupling of high speed handpiece 高速手机快接头

Fit into KaVo®

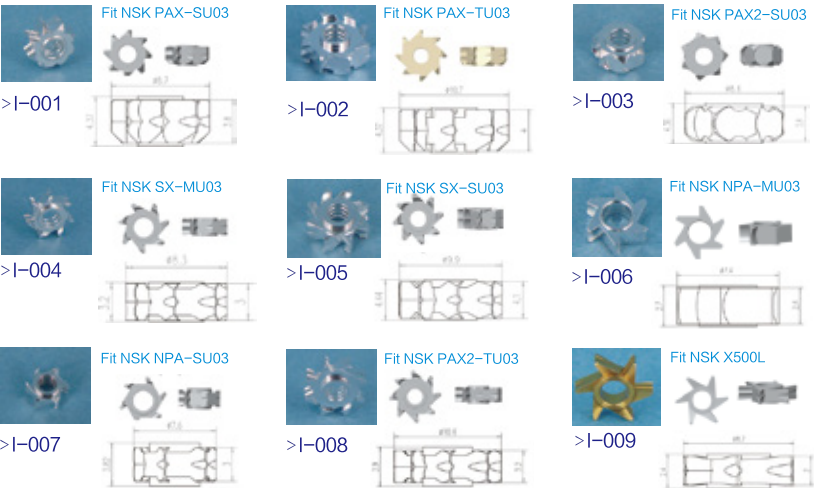


Fit into NSK®



Impeller specification 风轮

Fit into NSK®



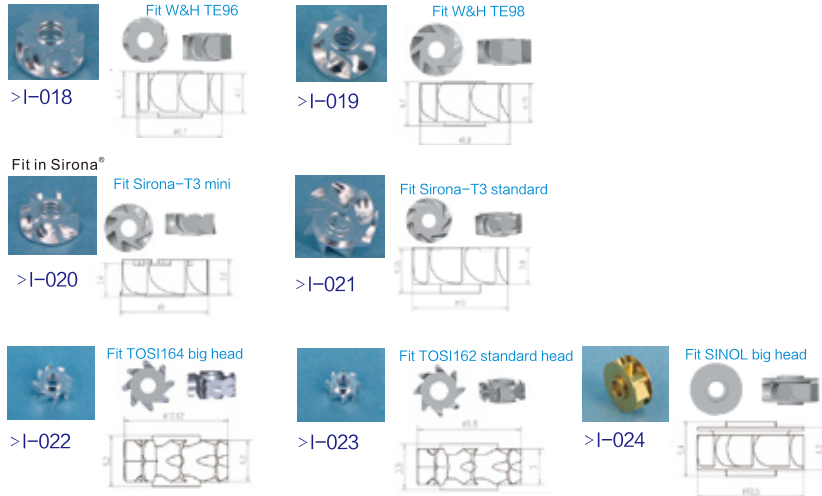
Fit NSK X600L



Fit into KaVo®



Fit into W&H®



Head spare part of speed handpiece 低速手机机头组件



Bearing of high speed handpiece 轴承



Cartridge repair kit 手机维修工具



Inner/External Channel

Dental electric motor

[牙科电动马达]



Dental Electric Motor
牙科电动马达

Order-code 编号: [AK-EM1](#)



Dental Electric Motor
牙科电动马达

Order-code 编号: [AK-EM3](#)

功能特点:

- ◆使用无碳刷马达, 超静音, 运转负载稳定, 体积小, 操作简单
- ◆完美配备各知名品牌1:5/1:1/161变速或等速E型接口光纤弯机手柄。

Feature:

- ◆ Use brushless motor, ultra silent, stable, compact, simple operation
- Perfectly compatible with various famous brands of 1: 5/1: 1/16: 1 etc. E type connection interface fiber bending machine handle.

	100	1,000	2,000	2,500	10,000	40,000	200,000
16:1		100~2,500min ⁻¹					
1:1				2,000~40,000min ⁻¹			
1:5					10,000~200,000min ⁻¹		

控制系统 (Control system): 矢量控制系统 (Vector control system)

电机类型 (Motor type): 直流无刷电机 (Dc brushless motor)

最大扭矩 (Max torque): 3.4ncm

电源输入 (Input power): DC24V

马达尺寸 (The motor size): $\phi 22 \times 71\text{mm}$

马达重量 (weight): 67g

噪音 (Noise): <60db

光源 (LED): (white light)

控制器尺寸 (Controller size): L15.00 $\times$ 128.00 $\times$ h55.00mm

总重量 (The total weight): 250.00g



Dental Electric Motor(Built-in)
牙科电动马达(内置式)

Order-code 编号: [AK-EM-int1](#)

控制系统 (Control system):
矢量控制系统 (Vector control system)
电机类型 (Motor type):
直流无刷电机 (Dc brushless motor)
最大扭矩 (Max torque): 3.0ncm
电源输入 (Input power): D24V
马达尺寸 (The motor size): 22 $\times$ 171mm
马达重量 (weight): 67g
噪音 (Noise): <60db
光源 (LED): (white light)

外置显示操控面板
Operational panel

功能特点:

- ◆使用无碳刷马达, 超静音, 运转负载稳定, 体积小, 操作简单
- ◆完美配备各知名品牌1:5/1:1/16:变速或等速E型接口光纤弯机手柄。
- ◆内置式, 容易安装在牙椅上
- ◆简单可操控面板, 屏幕显示参数
- ◆广泛的转速调节功能:100--200000转/分范围, 适用于各种临床应用

Feature:

- ◆ Use brushless motor, ultra silent, stable, compact, simple operation
- ◆ Perfectly compatible with various famous brands of 1: 5/1: 1/16: 1 etc. E type connection interface fiber bending machine handle. According to the different treatments and different handpieces, the speed can be adjusted from 100~200,000rpm/min.
- ◆ Built-in, easily installed at any angle
- ◆ Simple operate panel, Digital display
- ◆ According to the different treatments and different handpieces, the speed can be adjusted from 100~200,000rpm/min.



Dental Electric Motor(Built-in)
牙科电动马达(内置式)

Order-code 编号: [AK-EM int2](#)

按键调控参数
Touch button for control



With Apex Locator

Dental endo motor

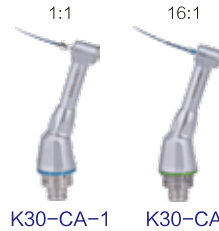
[根管治疗仪]



Endo motor with apex locator
根管治疗仪（带根测功能）

Order-code 编号: AK-ENDO1

根管治疗用弯机可选购:
Contra angle for endo motor Options



技术参数 Technical:

1. 电池 Battery: 7.2V/1400mah
2. Adapter适配器: 100v2400.850hz/60z
3. Revolving speed转速: 200~600rpm
4. Torsion扭力: 0.64.0n.cm

功能特点:

- 1、来自德国的超精密电机，低噪音和振动
- 2、彩色LCD大屏幕，所有角度都可见
- 3、四种工作模式：单根管长度测量，单根管扩大，往复式旋转运动和边测量边扩大
- 4、六种功能：多频长度测量技术，根管扩大，到达设定扭力反转，往复式运动，自动减速，启动/停止
- 5、按键界面大，功能清晰，声音可调
- 6、16:1迷你按压弯机，通配 NSK endo-mate

Features:

1. Ultraprecise motor originating in germany, super silent and low vibration.
2. Large colorful LED screen, all view angles visible.
3. Four working modes: measuring the root-canal length, root-canal treatment, Reciprocating movement and Both root-canal length measuring and endo treatment.
4. Six functions: Multi-Frequency apex locate, endo treatment, Automatic mode, Reciprocating movement, Automatic decelerate in apical zone, Automatic start/stop.
5. Main accessories include: Contra-angle handpiece, File clip, Lip hook and Measuring file, which can be sterilized in high temperature and pressure to avoid cross infection.
6. 16:1 mini head push button contra angle, fit into NSK endo-mate.



Endo motor (Wireless)
根管治疗仪（无线带灯）

Order-code 编号: AK-ENDO-P1



Endo motor
根管治疗仪（无线）

Order-code 编号: AK-ENDO-P2



Endo motor
根管治疗仪（无线）

Order-code 编号: AK-ENDO-P3

技术参数 Technical:

1. 电池 Battery: 7.2V/1400mAh
2. Adapter适配器: 100v240v0.8A50hz/60Hz
3. Revolving speed转速: 200~600rpm
4. Torsion扭力: 0.64.0n.cm

功能特点:

- 1、无线手柄设计，简单方便
- 2、来自德国的超精密电机，低噪音和振动
- 3、LCD彩色屏幕，清晰明了
- 4、自动扭力反转模式及反转警报功能
- 5、适用于所有主流的镍钛系统
- 6、专门的往复运动模式
- 7、ED照明系统，可拆卸、可高温灭菌
- 8、16:1迷你按压弯机，通配 NSK endo-mate

Features:

1. Wireless handle, simple and convenient
2. Ultraprecise motor originating in germany, super silent and low vibration.
3. LCD screen
4. Automatic torque reversal mode and reverse alarm function
5. Applicable to all mainstream NITI systems
6. Reciprocating mode
7. LED lighting system, removable high temperature sterilization
8. 16:1 mini head push button contra angle, fit into NSK endo-mate

