



DENTAL HANDPIECES
& INSTRUMENTS

EXCELLENCE IS



OUR STANDARD

2021
PRODUCT GUIDE





MDK Co., Ltd. is a manufacturer of precision dental handpieces and accessories in South Korea. MDK has consistently elevated its manufacturing capability since the foundation and is now ready to be recognized as one of the leading producers of top-quality but competitively priced dental handpieces and accessories.

MDK is now looking towards expanding its distribution network and increasing its brand value through a global strategy of progressively developing new handpiece series, manufacturing more value-added products, providing personalized services, and opening new international markets and industries.

MDK products are KGMP, CE and FDA 510(K) approved.

For information on MDK handpieces please visit www.mdk-dental.com.



Precision Crafted Performance

For your safe and effective preparations



Product Features

Crafted Titanium Body

MDK is specialized in producing dental handpieces in solid titanium body. Titanium is about 30 % lighter than conventional materials for dental handpieces, also strong against repeated sterilization.

The light weight reduces clinicians wrist fatigue significantly and non-slip surface of solid titanium makes the whole procedure safer.

Ceramic Ball Bearing

MDK only use Ceramic ball bearings which generates less wear and less temperatures. Ceramic balls increase the bearing's speed capabilities and life span compared to the Steel ball bearings.

Advanced Spindle-producing Technology

Bur eccentricity causes bur fly-out, bur wobbles and failure of turbine. MDK's spindle (where the bur inserted) is made of Carbide Steel which is very hard metal and the chuck extracting force is $\geq 30N$.

Pressure Control System

MDK's pressure control system ensures only stable amount of air-pressure is provided while operation so the bearings would not be damaged.

Multi Water Spray

MDK's turbines offer from single to multi-port water spray that provide ideal cooling effect for the entire operation.

Fiber Optic System

MDK's Fiber Optic system enhances operator visibility.

Fiber optics are made from solid glass rod instead of a collection of optic fibers.

MDK's LED light bulb generates a brighter and whiter light.

Noise-Free Operation

MDK's advanced balancing technology by high-end balancing equipment provides very quiet operation

And noise level is less than 60dB(A)

Scratch Resistant treatment

MDK's surface treatment technology offers scratch resistant and comfortable grip.



COMPATIBLE MDK HANDPIECES

| TITANIUM

PEDIATRIC HEAD

STANDARD HEAD

TORQUE HEAD

45° HEAD



Model: MOKO 760N LED
PEDIATRIC
Order code: 760NLP
Cartridge code: KPEDI



Model: MOKO 560N LED
Order code: 560NLS
Cartridge code: N600



Model: MOKO 760N LED
Order code: 760NLT
Cartridge code: K8000



Model: MOKO TN45N LED
Order code: TN45NL
Cartridge code: N600



COMPATIBLE MDK HANDPIECES



Model: MDK-2C-N1
Order code: MDK-N1
FIBER OPTIC 6-PIN TYPE



Model: MDK-2C-N4
Order code: MDK-N4
E- LIGHT GENERATOR TYPE

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I NON-TITANIUM

STANDARD HEAD



Model: MOKO 520N LED
Order code: 520NLS
Cartridge code: N600

TORQUE HEAD



Model: MOKO 720N LED
Order code: 720NLT
Cartridge code: K8000

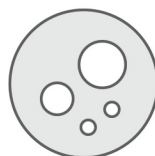
45° HEAD



Model: MOKO N45N LED
Order code: N45NL
Cartridge code: N600



Model: MDK-2C-N1
Order code: MDK-N1
FIBER OPTIC 6-PIN TYPE



Model: MDK-2C-N4
Order code: MDK-N4
E- LIGHT GENERATOR TYPE

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PEDIATRIC HEAD



Model: MOKO 760K LED
PEDIATRIC
Order code: 760KLP
Cartridge code: KPEDI

STANDARD HEAD



Model: MOKO 560K LED
Order code: 560KLS
Cartridge code: N600

TORQUE HEAD

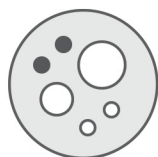


Model: MOKO 760K LED
Order code: 760KLT
Cartridge code: K8000

45° HEAD



Model: MOKO TN45K LED
Order code: TN45KL
Cartridge code: N600



Model: MDK-2C-K1
Order code: MDK-K1
FIBER OPTIC 6-PIN TYPE



Model: MDK-2C-K4
Order code: MDK-K4
E-LIGHT GENERATOR TYPE

| NON-TITANIUM

STANDARD HEAD



Model: MOKO 520K LED
Order code: 520KLS
Cartridge code: N600

TORQUE HEAD



Model: MOKO 720K LED
Order code: 720KLT
Cartridge code: K8000

45° HEAD



Model: MOKO N45K LED
Order code: N45KL
Cartridge code: N600



Model: MDK-2C-K1
Order code: MDK-K1
FIBER OPTIC 6-PIN TYPE



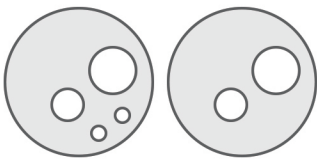
Model: MDK-2C-K4
Order code: MDK-K4
E-LIGHT GENERATOR TYPE

| NON-OPTIC with Coupler

KAVO® TYPE

TORQUE HEAD

- Model: MOKO 710K
- Order code: 710K • Cartridge code: K8000



- Model: MDK-2C-K01/02
- Order code: MDK-K01/02



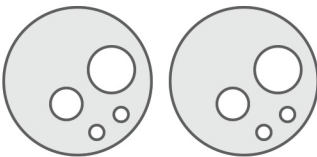
Model	Cartridge code	Head type
★TITANIUM MOKO 750K	K8000	Torque head
★TITANIUM MOKO 550K	N600	Standard head
MOKO 710K	K8000	Torque head
MOKO 510K	N600	Standard head

| NON-OPTIC with Coupler

NSK® TYPE

TORQUE HEAD

- Model: MOKO 710N
- Order code: 710N • Cartridge code: K8000



- Model: MDK-2C-N01
- Order code: MDK-N01



- Model: MOKO K45N
- Order code: K45N • Cartridge code: K8000



Model	Cartridge code	Head type
★TITANIUM MOKO 750N	K8000	Torque head
★TITANIUM MOKO 550N	N600	Standard head
MOKO 710N	K8000	Torque head
MOKO 510N	N600	Standard head
MOKO K45N	K8000	45° head

SIRONA® BIEN-AIR® COMPATIBLE MDK HANDPIECES

SIRONA® TYPE

STANDARD HEAD TORQUE HEAD



Model: MOKO 560S LED
Order code: 560SLS
Cartridge code: N600

Model: MOKO 760S LED
Order code: 760SLT
Cartridge code: K8000

BIEN-AIR® TYPE

STANDARD HEAD TORQUE HEAD



Model: MOKO 560B LED
Order code: 560BLS
Cartridge code: N600

Model: MOKO 760B LED
Order code: 760BLT
Cartridge code: K8000

SIRONA® BIEN-AIR® COMPATIBLE MDK COUPLERS



Model: MDK-2C-S2
Order code: MDK-S2
FIBER OPTIC 6-PIN TYPE



Model: MDK-2C-B2
Order code: MDK-B2
FIBER OPTIC 6-PIN TYPE

Specifications are subject to change without notice



Borden®
2-hole fitting

STANDARD/MULTI



Model: MOKO 220BT
Order code: 220BTS
Cartridge code: N600

Model: MOKO 220B
Order code: 220BS
Cartridge code: N600

TORQUE HEAD



Model: MOKO 230BT
Order code: 230BT
Cartridge code: K8000

Model: MOKO 230B
Order code: 230B
Cartridge code: K8000

STANDARD/SINGLE



Model: MOKO 250B
Order code: 250B
Cartridge code: MPANA

*** WHAT IS PRESSURE CONTROL SYSTEM?**

Sometimes dental clinics use higher air pressure than recommended level which leads to early bearing failure. Pressure control system ensures only stable amount of air-pressure is provided while operation so the bearings would not be damaged.



Midwest®
4-hole fitting

STANDARD/MULTI

TORQUE HEAD

STANDARD/SINGLE



Model: MOKO 420MT
Order code: 420MT
Cartridge code: N600

Model: MOKO 420M
Order code: 420M
Cartridge code: N600



Model: MOKO 430MT
Order code: 430MT
Cartridge code: K8000

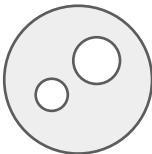
Model: MOKO 430M
Order code: 430M
Cartridge code: K8000



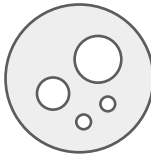
Model: MOKO 450M
Order code: 450M
Cartridge code: MPANA

*** WHAT IS PRESSURE CONTROL SYSTEM?**

Sometimes dental clinics use higher air pressure than recommended level which leads to early bearing failure. Pressure control system ensures only stable amount of air-pressure is provided while operation so the bearings would not be damaged.



Borden®
2-hole fitting



Midwest®
4-hole fitting

STANDARD

TORQUE HEAD

STANDARD

TORQUE HEAD



Model: MOKO 220BT-L
Order code: 220BT-L
Cartridge code: N601

Model: MOKO 230BT-L
Order code: 230BT-L
Cartridge code: K8001

Model: MOKO 420MT-L
Order code: 420MT-L
Cartridge code: N601

Model: MOKO 430MT-L
Order code: 430MT-L
Cartridge code: K8001

MDK's GT handpieces are produced by our precision engineering and show high performance and long-term reliability. GT handpieces are produced with a built-in power generator that delivers quality LED light when connected to any standard non-optic air tubing.

FEATURES OF MDK DENTAL CARTRIDGES

MDK OFFERS TOP QUALITY DENTAL REPLACEMENT PARTS FOR A WIDE RANGE OF THE MAJOR BRANDS.OEM PARTS CAN BE PRODUCED UPON REQUEST.

- DIMENSIONAL ACCURACY: ≤0.006MM
- BUR RUNOUT ACCURACY : ≤0.006MM
- ACCURACY OF THE BUR GUIDE: 0.002MM
- CHUCK EXTRACTING FORCE: ≤30N
- PUSH BUTTON OPENING FORCE: ≤45N

HIGH PERFORMANCE CERAMIC BEARINGS
DURABLE CARBIDE MADE BUR GUIDE
ACCURATELY BALANCED BY HIGH-END BALANCING EQUIPMENT



HEAD SIZE	ORDER CODE	COMPATIBILITY
MDK TORQUE HEAD	K8000	KAVO® 8000B
MDK STANDARD HEAD	N600	NSK® TI-MAX 600
MDK PEDIATRIC HEAD	KPEDI	N/A
MDK STANDARD HEAD	MPANA	NSK® PANA MAX II

Specifications are subject to change without notice.

MDK LOW SPEED HANDPIECES

1:1 Constant speed contra-angle



Model: CA-PL1
Order code: FC001
Max. Motor Speed : 40,000 RPM
Fiber optic/For CA burs

20:1 Reduction speed contra-angles for implantology and surgical applications



Model: CA-22PM
Order code: FC004
Non-optic



Model: CA-PL20
Order code: FC004-S
Non-optic



Model: CA-PL20X
Order code: FC003
Fiber optic



Model: CA-PL30
Order code: FC003-S
Fiber optic

1:5 Increasing speed contra-angle



Model: FG-PL15
Order code: FC005
Max. Motor Speed : 40,000 RPM
Fiber optic/For FG burs

FG-PL15's Long service life, quiet operation with the highest quality bearings and gears allow excellent treatment results.

- Push-button chuck
- Can be connected to all ISO motors
- Glass rod for constant light quality and visibility

MDK LOW SPEED HANDPIECES

1:1 Non optic contra angles

EXTERNAL SPRAY

INTERNAL SPRAY



Model: CA-20L
Order code: C-001
LATCH TYPE
MAX. SPEED : 25,000 RPM



Model: CA-20P
Order code: C-002
PUSH BUTTON TYPE
MAX. SPEED : 25,000 RPM



Model: CA-20PB
Order code: C-003S
PUSH BUTTON TYPE
MAX. SPEED : 25,000 RPM



Model: CA-20Pi
Order code: C-003
PUSH BUTTON TYPE
MAX. SPEED : 25,000 RPM

1:1 Non optic straight handpieces

EXTERNAL SPRAY

INTERNAL SPRAY



Model: MD-4
Order code: M-001
MAX. SPEED : 25,000 RPM



Model: MD-5
Order code: M-003S
MAX. SPEED : 25,000 RPM



Model: MD-4i
Order code: M-002
SMOOTH GRIP
MAX. SPEED : 25,000 RPM



Model: MD-5i
Order code: M-004
STRONG GRIP
MAX. SPEED : 25,000 RPM

MDK LOW SPEED E-TYPE AIR MOTORS

Fiber optic air motor with Internal spray (6-pin type connection)



Model : T260i-LED
Order code : AM1001

Non optic air motor with Internal spray (2 and 4-hole type)



Model : 260i-B2
Order code : AM1002

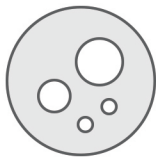


Model : 260i-M4
Order code : AM1003

Non optic air motor with external spray (2 and 4-hole type)



Model : 260E-B2
Order code : AM1004



Model : 260E-M4
Order code : AM1005

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