



Flight Dental Systems

MK Dent High and Low Speed Handpieces V.3

Flight Dental Systems

History

- ▶ Flight Dental Systems is a Canadian owned and managed dental equipment manufacturer and distributor with operations in over 25 countries around the world.
- ▶ Our company was founded on a commitment to deliver high quality products that provide the design, function and durability demanded by today's dental professionals at an affordable price.

Mission

- ▶ To provide our customers with high quality products designed and engineered in Canada at an affordable price. Along with our excellent customer service and expert knowledge of the product from the top to bottom makes for better support for our products globally.

Motto

- ▶ Quality and reliability meets affordability. First Class has never been so affordable.





OUR LOCATIONS:

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Certifications



ISO 13485:2016



Health Canada Certification



ETL Mark



THE CANADIAN
CHAMBER
OF COMMERCE

LA CHAMBRE
DE COMMERCE
DU CANADA

Flight Dental Systems

ECO Line Highspeed Handpieces

- ▶ HB23K/HB23KL
- ▶ HE22K/HE22KL
- ▶ HE21KL

Kavo Couplers

- ▶ QC6016K
- ▶ QC4014K

Air Motor without Water Supply

- ▶ AM0004

Contra Angle Handpiece

- ▶ LE11
- ▶ LE15L
- ▶ LCH11



ECO Line Highspeed Handpiece

► Features

- Upgraded Premium Turbine (TC20xx) on all Highspeeds



- High Quality Ceramic Bearings



- Kavo Compatible
- Smooth Grip with Chrome Finish
- Glass Rod Conductor for Fiber Optic HP's – Lossless Light



Cartridge

- ▶ First in the industry with automatic laser balancing process
- ▶ State-of-the-art chuck system for safe and reliable operation
- ▶ Equipped with carbide insert technology (CIT) for long-term concentricity



Cartridge

Carbide Insert Technology
(CIT)



Steel Insert Technology
(SiT)



Cartridge

- ▶ The diameter of the spindle opening increases due to side pressure, after months of usage.
 - ▶ This results in a bigger rotational centricity, drawn by the bur.
- Unprecise work and unnecessary damage on the tooth
- High level of vibration and stress to the bearings
- ▶ A carbide insert dramatically decreases the widening of the spindle as the Carbide is about twice as hard as steel, and therefore cannot bend as much as steel.

Carbide 1350HV

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Steel 700HV

ECO Line Highspeed Handpiece

Model	Light	Head Size	Head Dimension	Coupling Type	Spray Outlet	Power (w)	Non-Load Speed (RPM)	Weight (G)	Warranty
HB23K	NO	MINI	Ø 11.0 x H 13.3	KAVO	1 – SPRAY	15 WATT	420,000	66 g	12 Months
HB23KL	YES	MINI	Ø 11.0 x H 13.3	KAVO	1- SPRAY	15 WATT	420,000	66 g	12 Months
HE22KL	YES	MINI	Ø 10.8 x H 12.5	KAVO	3 –SPRAY	16 WATT	420,000	63 g	12 Months
HE21KL	YES	Standard	Ø 12.5 x H 14.3	KAVO	4 - SPRAY	24 WATT	320,000	63 g	12 Months



REF: HB23K



REF: HB23KL



REF: HE22KL



REF: HE21KL

Kavo Coupler

- ▶ Non Retraction Valve Coupler
- ▶ Compatible with Original Kavo

Model	Light	Colour Temperature	Coupling Type	Tubing Type	Operating Voltage (v)	Weight (G)	Warranty
QC4014K	NO	None	Kavo	4-pin	None	24 g	12 Months
QC6016K	YES - LED	5500 K	Kavo	6-pin	3.2 to 3.5V	24g	12 Months



Air Motor without Water Spray

► Features

- Chrome Finish
- Reverse and Forward Function
- No Water Spray
- 20K Speed

Model	Light	Air Pressure	Tubing	Spray Outlet	Direction of Rotation	Non-Load Speed (RPM)	Weight (G)	Warranty
AM0004	NO	2.2 – 2.8 bar	4- Hole	None	Forward or Reverse	20,000	77 g	12 Months



ECO Line Low Speed – Blue Ring

► Features

- Smooth Grip – Chrome Finish
- Intramatic Connection
- With Internal Water Max 40,000rpm
- For CA Burs (2.35mm)

Model	Light	Head Dimension	Gear Ratio	Usable Burs	Spray Outlet	Non-Load Speed (RPM)	Weight (G)	Warranty
LE11	NO	Ø 9.8 x H 14.3	1:1 Blue	CA-Burs 2.35mm	Single Spray	40,000	100 g	12 Months



ECO Line – Red Ring 1:5

► Features

- 1:5 Speed Increasing Transmission
- Smooth Grip – Chrome Finish
- Intramatic Connection
- With Internal Water
- Max Non-load Speed of 200,000rpm
- For FG Burs (1.60mm)



Model	Light	Head Dimension	Gear Ratio	Usable Burs	Spray Outlet	Non-Load Speed (RPM)	Weight (G)	Warranty
LE15L	YES – 40,000 Lux	Ø 9.8 x H 14.3	1:5 RED	FG – 1.60mm	Triple Spray	40,000	80 g	12 Months

Lubricant

- For maintenance of High and Low Speed Handpieces
- Fully Synthetic Lubricant with mint scent
- LU1011 – Manual Lubrication
- LU1022 – Quattro Care Lubrication Oil



PN: LU1022

Warranty

- ▶ MK-dent provides the end user a warranty for proper function, immaculate material and workmanship for a period of 12 months (Eco Line) after purchasing. Relevant for this is the invoice date.
- ▶ The warranty does usually not cover lamps, light conductors made of glass fibers, glassware, rubber parts and the color fastness of plastic parts. All liability is excluded if defects or their consequences arise because of interventions or modifications on the product by the end user or by a third party not authorized by MK-dent.
- ▶ Warranty claims will only be accepted if the product is submitted with a proof of purchase in the form of an invoice or a copy of the delivery note. Dealer, purchase date, model and serial number must be clearly visible.

