

# VECTOR

Jan. - June 30 2023

2810 69th Ave West  
University Place, WA 98466

Research & Development Inc. **877-88DRILL** 877-883-7455  
www.vectorusa.net

## Ultra-Powerful & Super-Fast LED Curing Light

Regular Price \$ 700.00

Year End Special **\$595<sup>00</sup>**  
See Page 24

## SCALERS! PIEZO AND ULTRASONIC!

Ultrasonic Scaler!

Start @ **\$595<sup>00</sup>**  
Plus 2 Inserts FREE!

## Prophy Handpiece

Super Light and Small

Special **\$395<sup>00</sup>**  
See Page 16

## Velocity Extreme High-speeds

Buy 4 Get 1 FREE!



*High-performance Products.....*

*....For High-performing Professionals*

To place an order contact  
your dental dealer today!

Check out the NEW Lil'Beaver



# ALL NEW Vector Velocity EXTREME Series Master Series

## Got KaVo? Get Vector!

Compare to KaVo Master Series.

- Gentlesilence 6500BR or
- Gentlemini 4500BR



Scan for web info



## Velocity Extreme Series

Setting a new standard in GERMAN MADE highspeed dental handpieces!

While the other "German Guys" are reducing quality, removing features, and using alternate manufacturing sites to produce a low-end-low-cost alternative, we are increasing quality and adding features, while never cutting corners.... NOW THAT'S VALUE!

### The VELOCITY EXTREME

is a product that our competitors can't match  
.... at any Price

#### *A new standard in sound reduction:*

At only 55db - forget other air-driven high-speeds - the Velocity Extreme matches the noise level of many electric high-speeds.

#### *A new standard in power:*

Over 22 watts of power is produced making the Velocity Extreme one of the most powerful handpieces on the market.

#### *A new standard in value:*

Compare initial cost plus maintenance and service costs to the national brands and you will find Vector is in a class by itself.

#### *A new standard in durability!*



Exclusive! ENDURO-Silencer turbines completely redesigned for optimal power and near silent performance! Computer balanced for concentricity. Sealed ceramic bearings for extra long, extra quiet durability! New POSI-GRIP push button auto-chuck - hold stronger - for longer! **STOPS BUR SLIPPAGE!**

#### *A new standard in versatility!*

Velocity Extreme Handpieces are available in 3 of the most popular swivel coupler configurations KAVO, ADEC/W&H and NSK style couplers! UPGRADE from any of these swivel coupler styles without changing your tubing connections.



The VELOCITY EXTREME highspeed is our signature product. The quality, performance and value is what we have been striving to develop since our founding in 2001. This product breaks through the other "Me-Too" handpieces flooding today's market. The Velocity Extreme sets us apart from all our competitors!

We are no longer the OTHER German Handpiece Company - we are now THE German Handpiece Company!

Brent Bigler  
President Vector R&D Inc.



**2 Contact Your Dental Dealer To Place an Order**

# Vector Velocity Extreme

Optic Type  
(with light)  
Vx10 or Vx9

**\$850<sup>00</sup>** ea

Non-Optic Type  
(no light) Vx10 or Vx9

**\$575<sup>00</sup>** ea

**Special  
Buy 2 Get a Free  
Swivel  
Buy 4 Get 1  
FREE!**

for KaVo Multiflex™ style connectors



## Velocity Extreme Vx10

COMPARE TO KaVo Gentlesilence 6500BR  
Torque head, 4-port water spray.  
to fit KaVo Multiflex™ - optic ..... Vx10-SLK  
to fit KaVo Multiflex™ - non-optic ..... Vx10-SK



## Velocity Extreme Vx9

COMPARE TO KaVo Gentlemini 4500BR  
Access head, 3-port water spray.  
to fit KaVo Multiflex™ - optic..... Vx9-SLK  
to fit KaVo Multiflex™ - non-optic ..... Vx9-SK

for NSK style connectors



## Velocity Extreme Vx10

Torque head, 4-port water spray.  
to fit NSK - optic ..... Vx10-SLN  
to fit NSK - non-optic ..... Vx10-SN



## Velocity Extreme Vx9

Access head, 3-port water spray.  
to fit NSK - optic..... Vx9-SLN  
to fit NSK - non-optic ..... Vx9-SN

for ADEC/W&H RQ-24 or RQ-04 style connectors



## Velocity Extreme Vx10

Torque head, 4-port water spray.  
to fit ADEC/W&H - optic ..... Vx10-SLW  
to fit ADEC/W&H - non-optic ..... Vx10-SW



## Velocity Extreme Vx9

Access head, 3-port water spray.  
to fit ADEC/W&H - optic ..... Vx9-SLW  
to fit ADEC/W&H - non-optic ..... Vx9-SW

### Whats best for you Vx10 or Vx9?



Vx9

Vx10

	Height	Width	Torque
Vx9	12mm, 31/64"	10.5mm, 27/64"	19.5 watts
Vx10	14mm, 9/16"	12mm, 31/61"	22.5 watts

Recommended air pressure: Vector recommends 42 psi minimum air pressure for all Velocity Extreme high-speeds. Vx10 should not be used with short shank burs.

### Replacement Turbines: Vector ENDURO Silencer Turbines

Engineered for performance,  
durability and near silent  
operation.



Turbine for Vector Vx10 all models  
item # TVX10..... \$ 210.00  
Turbine for Vector Vx9 all models  
item # TVX9 ..... \$ 210.00

**Contact Your Dental Dealer To Place an Order 3**

# Vector F-Series

Scan for  
web info



**Incredible value!** Our most rugged handpiece. Specifically designed and built for durability even under the harsh conditions of large group practices, government or corporate dental clinics. Recommended as our # 1 best value!

**Special  
Buy 3 Get  
1 FREE!**

**TIME TO UPGRADE!**  
Easily upgrade from your existing KaVo high-speeds and experience: Similar power, torque and cutting efficiency to your KaVo high-speeds!  
Without the Vector name on the side -  
**YOU WOULD SWEAR IT IS A KAVO!**

**Upgrade with ease!**

Connects directly to  
your existing KaVo Multiflex™  
Swivel couplers!



**no extra  
parts needed!**



**F Series F6**

Torque head, 3-port water spray, push button auto-chuck bur release, available in optic and non-optic versions

- to fit KaVo Multiflex™ - optic..... F6-SLK      \$ 625.00
- to fit KaVo Multiflex™ - non-optic..... F6-SK      \$ 450.00

**Special  
Buy 3 Get  
1 FREE!**



**F Series F7**

Access head, 3-port water spray, push button auto-chuck bur release, available in optic and non-optic versions

- to fit KaVo Multiflex™ - optic..... F7-SLK      \$ 625.00
- to fit KaVo Multiflex™ - non-optic..... F7-SK      \$ 450.00

**Special  
Buy 3 Get  
1 FREE!**



**F Series F4**

Ultra access head, single-port water spray, push button auto-chuck bur release, available in optic and non-optic versions

- to fit KaVo Multiflex™ - optic..... F4-SLK      \$ 625.00
- to fit KaVo Multiflex™ - non-optic..... F4-SK      \$ 450.00

**Special  
Buy 3 Get  
1 FREE!**

**Value? Mix-N-Match Super Special!!!**

**SPECIAL  
BUY 3 Get  
1 FREE!**



Mix and match models! Choose a couple small head for access and a couple large head for increased torque !

# Got KaVo? Smart Series or Midwest? Tradition or Quiet-Air

## Get Vector! F-Series



### Upgrade with ease!

Connects directly to  
your standard 4 line  
non-optic tubing!



no extra  
parts needed!

### TIME TO *UPGRADE!* Non-optic

Non-optic conversion is easy! If you do not want a swivel and prefer a direct 4 line connection, simply purchase a F4 or F5 standard back end non-swivel highspeed and connect them directly to your 4 line tubing. If you would like the advantages of a quick disconnect swivel purchase a VKS non-optic 4 line swivel and connect it to the tubing then simply snap the non-optic Velocity or F-series highspeed to the swivel.

**Special  
Buy 3 Get  
1 FREE!**



### F-Series - Small Head

Small head non-optic, push button auto-chuck,  
single port water spray, 4 hole standard back-end

Vector # ..... F4

**\$ 390.00**

**Special  
Buy 3 Get  
1 FREE!**



### F-Series - Torque Head

Torque head non-optic, push button auto-chuck,  
single port water spray, 4 hole standard back-end

Vector # ..... F5

**\$ 390.00**

### Value? Let's Do the Math!



*SPECIAL  
BUY 3 Get 1  
FREE!*

Buy 3 Fixed BE (3 x \$ 390.00 = \$ 1,170.00) Get 1 Free (\$ 1,170.00 / 4) = \$ 292.50 each

## Package Specials:

Our recommended packages for setting-up or converting 2 operatories of equipment!

Mix and match head size (torque or standard) and / or spray pattern (triple spray or single), choose F-Series or Vx-Series, all at prices 25% to 35% off retail.

The easiest and most cost effective way to convert your existing office or equip your new office with Vector!  
6-packs can not be combined with any other offer.



(PKG-02 optic 6 pack Shown)



**2 "op" - Set-Up Package**  
(PKG-01) **\$3,995<sup>00</sup>**

**"6 pack" package with 2 - fiber-optic systems**  
6 Vx or F series optic high-speeds,  
2 (VKS6LE, or VWS6, or VWN6) swivel couplers,  
2 vari-volt fiber-optic systems with tubing,  
2 cans VL-S Lubricant

**Optic Conversion Package!**  
(PKG-02) **\$3,495<sup>00</sup>**

**6 pack - optic package with couplers**  
6 optic high-speeds (Vx or F Series),  
2 swivel couplers (your choice optic),  
2 cans VL-S Lubricant

**Optic Package w/o Couplers!**  
(PKG-03) **\$3,195<sup>00</sup>**

**6 pack - optic package without couplers**  
6 optic high-speeds (Vx or F Series),  
choose any style (KaVo, NSK, Star, or ADEC)  
2 cans VL-S Lubricant

**6 pack - non-optic package with couplers**  
(PKG-04) **\$2,495<sup>00</sup>**

6 V or F-Series non- optic high-speeds  
2 swivel couplers (your choice non-optic),  
2 cans VL-S Lubricant

**6 pack - non-optic pack without couplers**  
(PKG-05) **\$2,395<sup>00</sup>**

6 non- optic high-speeds (Vx or F Series),  
choose any style (KaVo, NSK, Star, or ADEC)  
2 cans VL-S Lubricant

**6 pack - non-optic fixed back-end**  
(PKG-06) **\$1,895<sup>00</sup>**

6 non- optic high-speeds (F4 or F5),  
2 cans VL-S Lubricant  
2 Spray adapters (VL-AS)

# ALPHA AIR *Professional Series*

Scan for web info



## Super Economy Highspeed Handpiece

Super economical and value priced highspeed! Accepts standard canister turbines. Quiet, light weight and fully autoclavable. 400,000 rpm. Available in standard bur tool type or with push button auto-chuck bur release. Compare to "house brand" high-speeds like Darby, Schein and Patterson and save! 90 Day Warranty.

**Buy 4 Get 1 FREE! or Buy 2 Get A Free Turbine!**



**Standard Bur Tool Type \$ 95.00 ea**  
4 hole standard fixed back end (HAS-4)  
**Buy 4 Get 1 FREE! or Buy 2 Get A Free Turbine!**



**Push Button Autochuck \$ 145.00 ea**  
4 hole standard fixed back end (HAP-4)  
**Buy 4 Get 1 FREE! or Buy 2 Get A Free Turbine!**

## CANISTER STYLE TURBINES

Compare and Save!



**Standard Can**  
Worlds best! Fits all standard wrench type.  
RP-ST ..... **\$ 40.00 ea**



**Auto-chuck "PB" Can**  
An excellent push button can for most applications and brands.  
RP-AT ..... **\$ 95.00 ea**

## Accessories



**Push Button Back Cap**  
Push button cap for most applications and brands of "Canister" handpieces  
RP-APC ..... **\$ 35.00 ea**



**Standard Back Cap**  
Standard back cap for most applications and brands of "Canister" handpieces  
RP-ASC ..... **\$ 25.00 ea**



**Bur Removal Tool**  
Works with most standard canister turbines made to the original NSK PANA-Air specifications  
RP-ABT ..... **\$ 20.00 ea**

**6 Contact Your Dental Dealer To Place an Order**

**Direct Replacement  
Kavo Spray!**

*New style threaded top can! For  
KaVo Quattrocare™  
lubrication machine!*

Scan for  
web info



**Now with updated  
can label for new or  
old style machines**



Works in all  
Quattrocare  
machines!

**Vector Spray Premium Handpiece  
Lubricant**  
The ALL-SYNTHETIC premium oil for  
any brand of handpiece  
Vector Spray (with white adapter cap)  
500ml can (VL-S)..... \$ 42.00 ea

**Vector Spray for QUATTROcare™  
Type Lubrication Machines - with  
updated and approved screw top  
can!**

Vector Spray (with screw top can for  
Quattrocare)  
500ml can (VL-AQ).....\$ 42.00 ea

**Vector Spray Premium Handpiece  
Lubricant**  
The ALL-SYNTHETIC premium oil for  
any brand of handpiece  
Vector Spray For Assistina and other  
lubrication machines that require oil.  
500ml can (VL-LM)..... \$ 50.00 ea

The white cap on the top of the can (pictured) is included  
with each can of spray. Remove this cap to use VECTOR  
SPRAY with your genuine KaVo spray adapters.

*ALL SYNTHETIC - we never use mineral oil based lubricants!  
Why pay more for a lower grade lubricant?  
Compare & Ask "is it mineral oil"?*

**BUY 6 Cans of Spray (VL-S) and get 2 spray adapters FREE!**

**DO YOU KNOW WHERE YOUR STAFF IS LUBRICATING?**

Properly lubricating various types and styles of high and low speed handpieces can be a difficult and confusing job for even the most experienced dental technician. Vector has developed a complete range of lubrication adapters that take the "guess work" out of lubrication. These adapters increase office efficiency, extend turbine life by insuring proper lubrication, and reduce the messy over-spray experienced with non-product-specific spray adapters.



*The right adapter makes lubrication fast, accurate, and easy!*



- Vector Spray Adapters \$ 12.00 ea**
- A) For KaVo Multiflex™ ..... VL-AK
  - B) For Star Type ..... VL-AT
  - C) For NSK Type ..... VL-AN
  - D) For 4 and 5 hole ..... VL-AS
  - E) For ADEC W&H 924,904,RQ-24, RQ-04 type ..... VL-AW
  - F) For E-Type Low-speeds ..... VL-AE
  - G) Universal pointed ..... VL-AU

**Contact Your Dental Dealer To Place an Order 7**

## Swivel Couplers For all Vector and KaVo Multiflex™ style handpieces.

Compare to KaVo 460LE



### ISO-C 6 pin swivel w/bulb

Direct replacement for KaVo # 1.001.7599

Halogen bulb (VKS6)..... \$ 205.00  
LED bulb (VKS6LE)..... \$ 235.00

Compare to KaVo1390



### 5 hole fiber-optic swivel

Direct replacement for KaVo # 553.1390

5 Hole (VKS5)..... \$ 205.00

Compare to KaVo 465LRN



### ISO-C 6 pin swivel with water control

Direct replacement for KaVo # 553.1550

Halogen bulb (VKS6W)..... \$ 255.00  
LED bulb (VKS6WL)..... \$ 285.00

Compare to KaVo 457



### 4 hole non-optic swivel

Direct replacement for KaVo # 553.1210

4 Hole (VKS)..... \$ 125.00



Coupler O-Ring Kit  
(3 black, 2 white), for Vector or  
KaVo type couplers  
RP-008 ..... \$ 10.00 ea



LED Upgrade Kit - New LED Bulb and  
Bulb Cap - converts existing Vector or  
KaVo swivels to LED  
Each ..... VKLE-01 \$ 50.00  
3 pack ..... VKLE-05 \$ 125.00

## Swivel Couplers For ADEC / W&H RQ24 and RQ04 style handpieces.



### 6 hole electric swivel for ADEC/W&H

Connects to Vector SLW high-speeds

Direct replacement for ADEC 0.10402430

VWS6 ..... \$ 205.00



### 4 hole non-optic swivel for ADEC/W&H

Connects to Vector SW high-speeds

Direct replacement for ADEC 0.10400430

VWS4 ..... \$ 125.00

## Swivel Couplers For NSK style handpieces.



### 6 hole fiber-optic swivel

Connects to Vector SLN NSK type high-speeds

Direct replacement for PTL-CL-LED

VNS6 ..... \$ 205.00  
Halogen bulb replacement..... VNB \$ 25.00  
LED bulb replacement..... VNL \$ 50.00



### 4 hole non-optic swivel

Connects to Vector SN, NSK type high-speeds

Direct replacement for FM-CL-M4

VNS ..... \$ 125.00

## Vector Vari-Volt Fiber-optic System and Tubing

### Vari-Volt Plus Fiber-optic Control

Variable voltage and variable amps makes this the first fiberoptic control box designed for LED or halogen lamps. Allows the user to adjust the power output (volts or amps) to match the manufacturer recommended voltage for halogen systems or Ma for LED. Adjustable time delay keeps the light on after letting up on the foot pedal keeping the oral cavity lit without and active bur. Independently power two fiber-optic tubings.

### Power supply, control box, Package

Package Set ..... (VFOSP) \$ 200.00

### Vari-Volt Fiber-optic Tubing

6 pin tubing - Grey..... VFOT \$ 145.00

6 pin tubing - Tan ..... VFOT-T \$ 145.00

### Complete Fiber-optic System

Power Supply, Control Box and Tubing!

Grey ..... (VFOS-KIT) \$ 295.00

Tan ..... (VFOS-KIT-T) \$ 295.00



Complete  
Fiber-optic System  
Only \$ 295.00 New  
Lower Price

Specifically Designed for LED Systems!

**8 Contact Your Dental Dealer To Place an Order**

# LED!

LED Upgrade Retail \$ 50.00 ea

Office pack (package of 3) Retail \$ 125.00 ea

VECTOR LED Upgrade Bulbs  
for Highspeed Handpieces  
and Swivel Couplers.

LED for KaVo or Vector 6 pin couplers.  
Includes conversion cap.

Each ..... VKLE-01  
Pack of 3..... VKLE-05

*Easy to install,  
Just like replacing a fiber-optic bulb  
- no service tech needed!*

Will also fit Forest/Adec/  
Beaverstate tubing. Note  
LED's will not work with  
AC power supply must  
be DC!

LED for ADEC/W&H RA-24 Couplers  
Each ..... VWHC  
Pack of 3..... VWHC-3

LED for NSK 6 pin couplers  
Each ..... VNL  
Pack of 3..... VNL-3

LED for Bien-Air / Midwest Couplers  
Also work with KaVo and Forest F/O tubings.  
Each ..... VBAKL  
Pack of 3..... VBAKL-3

LED for Sirona Couplers  
Each ..... VSBL  
Pack of 3..... VSBL-3

LED for STAR 6 pin Couplers  
Each ..... (SP) (RP\*)  
..... VSTL VSTL2  
Pack of 3..... VSTL-3 VSTL2-3  
\*Reverse polarity

LED for ADEC/ W&H High-speeds  
Each ..... (SP) (RP\*)  
..... VWHL VWHL2  
Pack of 3..... VWHL-3 VWHL2-3  
\*Reverse polarity

## For Motors

**A** **B** LED for **KaVo** Motors, couplers w/o  
conversion  
Each 3 Pack  
A) KaVo Motors, Coupler ..... VKML VKML-3  
B) KaVo KL703 ..... VKL703

**A** LED for **Sirona** Motors  
Each ..... VSGL  
Pack of 3..... VSGL-3

**A** **B** **C** LED for **NSK** Motors  
A) for TIM40, TI250L..... VNML VNML-3  
B) for NL400, KCL8 ..... VNML VNML-3  
C) for M40 LED, M205LG, NBS, X205L, KCL,  
SCL and PTL LED ..... VNML VNML-3

LED for Bien-Air Motors  
Each ..... (SP) (RP\*)  
..... VBAL VBAL2  
Pack of 3..... VBAL-3 VBAL2-3  
\*Reverse polarity

LED for ADEC/ W&H Motors  
A) LED for LT25 Motors  
Each ..... VVWL  
Pack of 3..... VVWL-3

B) LED for EA40A, EA40LT, A25LT, A-25A,  
A25BL, A-25M  
Each ..... VVEAL  
Pack of 3..... VVEAL-3

## DIRECT REPLACEMENT Halogen Fiber-optic Bulbs For various systems

Bulb for: KaVo and Vector  
6 pin swivel couplers  
*Compare to: KaVo # 1002.2928*  
Vector # VKB  
Retail \$ 40.00 2pk

  
Bulb for:  
Midwest Stylus and  
XGT couplers & Bien  
Air couplers  
*Compare to:  
Midwest # 790257R*  
Vector # VMB  
Retail \$ 25.00 ea

  
Bulb for:  
Star Dental 6 Pin Swiv-  
el Coupler  
*Compare to:  
Star # 262522*  
Vector # VSB  
Retail \$ 25.00 ea

  
Bulb for:  
NSK and Schein 6 pin  
couplers  
*Compare to:  
NSK # PTL Y900-529*  
Vector # VNB  
Retail \$ 25.00 ea

  
Bulb for:  
Bien-Air Electric Motors  
*Compare to:  
Bien-Air # 1500007-005*  
Vector # VBB  
Retail \$ 25.00 ea

  
Bulb for:  
W&H/Adec all models  
except LT25 motors and  
RA-24 Coupler  
*Compare to:  
ADEC# 0.02207610*  
Vector # VWB  
Retail \$ 25.00 ea

THE

# Enduro

## Brand Replacement Turbines

Now Feature Ceramic Bearings!

Introducing the first after-market turbine that is not an "after-market" turbine!

### For STAR Handpieces

#### Star 430 Push Button

Must Be Lubricated

Each ..... (TS430)      \$ 210.00



### For ADEC / W&H



#### ADEC W&H

Special \$ 210.00 ea

- Synea TA96, TA96L, TA96LM, TA96M ..... #TW96
- Synea TA-98, TA98L, TA98LM, TA98M ..... #TW98
- 300 Series TE-97 (LQ, RM, BC) ..... # TW97E
- 300 Series TE-98 (LQ, RM, BC) ..... TW98E
- 400 Series TG-97 (L, LW, LN, LM) ..... # TW97G
- 400 Series TG-98 (L, LW, LN, LM) ..... # TW98G
- 500 Series TK-97 (L, LM) ..... # TK97K5
- Synea TA97 with 5 port spray ..... #TW97P5
- Synea TA98 with 5 port spray ..... #TW98P5
- Toplight 796/896 ..... # TW96TL
- Toplight 795/798/895/898 ..... #TW98TL
- Trend TC-95 ..... # TWC95
- Allegra TE-95 ..... # TWE95
- Allegra TE-96 ..... # TWE96

### For LARES Handpieces

#### 557 Std.

Each ..... (TL557)      \$ 185.00

Each ..... (TL557CX)      \$ 185.00

#### 757 Series

Each ..... (TL757)      \$ 185.00

Each ..... (TL757CX)      \$ 185.00

#### 757 Triple Spray

Each ..... (TL757T)      \$ 185.00

### For Impact Air Handpieces

#### Push Button

Each ..... (TPD45)      \$ 210.00

### For VECTOR Handpieces

#### Vector F4, F7, V8, V9

Each ..... (TF4)      \$ 205.00

Pack of 3 ..... (TF4-3P)      \$ 525.00

#### Vector F6, V10

Each ..... (T640)      \$ 205.00

Pack of 3 ..... (T640-3P)      \$ 525.00

#### Vector F5

Each ..... (TF5)      \$ 205.00

#### VELOCITY EXTREME

for Vx10 all models

item # TVX10 ..... \$ 210.00

for Vx9 all models

item # TVX9 ..... \$ 210.00

### For Midwest Handpieces

#### Quiet-Air - Standard

Each ..... (TMQS)      \$ 95.00

3 pack ..... (TMQS-3P)      \$ 245.00

#### Tradition - Standard

Each ..... (TMTS)      \$ 95.00

3 pack ..... (TMTS-3P)      \$ 245.00

#### Quiet-Air - Lever

Each ..... (TMQL)      \$ 155.00

3 pack ..... (TMQL-3P)      \$ 395.00

#### Tradition - Lever

Each ..... (TMTL)      \$ 155.00

3 pack ..... (TMTL-3P)      \$ 395.00

#### Tradition/XGT - Push Button

Each ..... (TMTP)      \$ 155.00

#### Stylus (360)

Standard ..... (TMSU)      \$ 210.00

Mini ..... (TMSM)      \$ 210.00

## For KaVo Handpieces

### KaVo 640/630

#### Auto-chuck

Each .....(T640) \$ 210.00  
3 Pack.....(T640-3P) \$ 525.00



### KaVo 642/632/643

#### BELLATorque

Each .....(T642) \$ 210.00  
3 Pack.....(T642-3P) \$ 525.00



### KaVo 647/649

#### Auto-chuck

Each .....(T647) \$ 210.00  
3 Pack.....(T647-3P) \$ 525.00



### KaVo 635B/635BR

#### Auto-chuck

Each .....(T635) \$ 210.00  
3 Pack.....(T635-3P) \$ 525.00  
KaVo 635BR.....(T635BR) \$ 210.00



### KaVo 625CD

#### Auto-chuck

Each .....(T625) \$ 210.00



### KaVo 634P4

#### Auto-chuck

Each .....(T634) \$ 210.00



### New KaVo Model

#### Auto-chuck

##### Smarttorque

S605 / S615L.....(T615) \$ 210.00  
S609C / S619C / S619L .....(T619) \$ 210.00

##### Expertorque

E679L / E680L / E680LM / E680C ....(T679) \$ 210.00  
E675 / E677L .....(T646) \$ 210.00

##### MASTERtorque

M8900L/M900L/M900LS ....(T8900) \$ 210.00  
MASTERmini M8700L.....(T8700) \$ 210.00  
636CP / S646B.....(T646) \$ 210.00  
650B / 650C.....(T650) \$ 210.00  
655 / 659BR / 660.....(T655) \$ 210.00  
659.....(T659) \$ 210.00



### KaVo GENTLEmini 4500B/4500BR/5000

for 4500B .....(T4500) \$ 210.00  
4500BR/5000



### KaVo 6000B

Each .....(T6000) \$ 210.00



### KaVo 6500B/6500BR GENTLEsilence

6500B .....(T6500) \$ 210.00  
6500BR/8000B .....(T6500BR) \$ 210.00



## For NSK Style Handpieces

### Standard Can

Fits: Alph Air, Pana-Air, Henry Schien Darby and all standard Canister style Highspeeds.

Each .....(RP-ST) \$ 40.00



### Push Button Can

Fits: Alph Air, Pana-Air, Henry Schien Darby and all standard Canister style Highspeeds.

Each .....(RP-AT) \$ 95.00



### Health-co & Benco

#### PUSH-N-SWIVEL

for NVA-SU03 .....(TNVS) \$ 175.00



### NSK CH (Surgical 45°)

CH QD-S/NL-65S/Phat. II .....(TNCS) \$ 175.00

CH QD-T/N-45T/NL-65T Phat II T (TNCT) \$ 175.00



### NSK Mach, NL75,85 200, 300, 400

A200L / MACH 2M / 75M / 85M ..(TNMM) \$ 195.00

A300L / MACH 2S / 75S / 85S ... (TNMS) \$ 195.00

A400L / MACH 2T / 75T / 85T ....(TNMT) \$ 195.00



### *NEW!*

### NSK TiMAX, 9000

#### 500, 600, 700

X500 / NL9000M.....(TNTM) \$ 195.00

X600 / NL9000S .....(TNTS) \$ 195.00

X700 / NL9000T .....(TNTT) \$ 195.00



### NSK S-MAX

S-Max M500 / M500L .....(TNSM) \$ 195.00

S-Max M600 / M600L .....(TNST) \$ 195.00

### NSK Ti-Max Z-Series

Ti-Max Z Z800L.....(TNZM) \$ 210.00

Ti-Max Z Z900L .....(TNZM) \$ 210.00

Dont Forget to always use  
Vector Spray!  
The All-Synthetic-Premium  
Handpiece Lubricant!



# Turbo-Torque

## Low-speed Handpiece System

### Acrylic Adjustment

The Turbo-Toque motor system provides plenty of torque and speed to quickly and easily adjust acrylic chair-side. The straight nose cone accepts any standard 3/32nd acrylic bur or mandrel.

### Finish & Polish

Most finishing discs and points work better and faster, providing a more lustrous and natural finish when these points are run at 20,000 rpm. If you are using a 5,000 rpm (prophy) motor for finishing and polishing you will be amazed by the improved performance and results of a 20,000rpm motor system.



Free 2nd Contra Angle! With Motor Set Purchase!

### Caries Removal

20,000 rpm is the perfect speed for caries removal. The push-button head accepts any standard latch bur and provides for quick and easy changing of burs and latch type mandrels.

### Turbo-Torque Motor Set

Complete package set includes:

- 20,000rpm motor
- 1:1 Contra Angle with Push Button Latch Head
- 1:1 Straight Nose Cone

Superior high performance motor and high quality, ultra-smooth attachments.



Buy a TT-20K Motor Set Get a Second Contra Angle FREE!

# TT-20K **\$ 755.00**

### Turbo-Torque Air-Motor Only



### TURBO TORQUE 20,000 rpm Motor Only

20,000rpm, E-Type low speed motor, smooth and quiet operation, super durable. Very versatile, a great addition to any dental practice. 1 year warranty.

Motor Only ..... TT-20KM **\$ 360.00**

### Turbo-Torque Air-Motor Systems Packages

#### 2 OP Set-up Low-speed Package Deal



TT-20K-OP  
2 - Turbo-Torque Motors  
5 - Push Button Contra Angles **\$1,495<sup>00</sup>**  
2 - Straight Nosecone

#### ENDO Low-speed Motor Packages



Turbo Torque Motor and 64:1 reduction mini endo head. Motor and angle package.

TT-20KRT ..... **\$ 675<sup>00</sup>**



Turbo Torque Motor and 90° reciprocating endo head. Motor and angle package.

TT-20KTEP ..... **\$ 675<sup>00</sup>**

## Turbo Torque E-Type Attachments

Will fit all Standard E-Type Motor Systems including Electric Motor Systems!



Buy 3  
Get 1  
FREE!

For FG Type Burs, Push Button Latch (TT-FGP) with 1:1 E-Type Sheath

TT-FFB-EC.....\$ 225.00



Buy 3  
Get 1  
FREE!

For Latch Type Burs, Push Button Latch (TT-LAP) with 1:1 E-Type Sheath

TT-FPB-EC.....\$ 235.00



Buy 3  
Get 1  
FREE!

For Latch Type Burs, Ball Bearing Swing Latch (DRA-NK) with 1:1 E-Type Sheath

TT-BB-EC .....\$ 175.00

### TURBO TORQUE Push Button Head Attachments

For any "NSK" threaded contra angle attachment. Will not fit "Midwest" contra angles.

Latch Head



Buy 3  
Get 1  
FREE!

RA latch type head attachment

TT-LAP ..... \$ 175.00

Buy 3  
Get 1  
FREE!

FG Head



Friction grip head attachment

TT-FGP..... \$ 175.00



Deluxe Ball Bearing Latch Head

for NSK E-type type contra angles

DRA-NK.....\$ 95.00



### TURBO TORQUE 1:1 Contra Angle

Standard no reduction contra angle. Accepts all NSK fitment contra angle heads and attachments. Will fit any standard E-type motor.

TT-EC ..... \$ 125.00



### TURBO TORQUE 4:1 Reduction Contra Angle

Fits all standard E-Type connections. Will accept any "NSK" threaded contra angle head.

TT-E4R..... \$ 225.00



### TURBO TORQUE Reduction Contra Angle

Fits all standard E-Type connections. Will accept any "NSK" threaded contra angle head.

TT-E16R ..... \$ 265.00

TT-E10R ..... \$ 265.00

TT-E64R ..... \$ 285.00



### TURBO TORQUE

#### Straight Nose Cone 1:1

Fits all standard E-Type connections. Will accept any 3/16" shaft lab bur or "straight handpiece bur or any "doriot" style prophyl or contra angle.

TT-SN1 ..... \$ 205.00



For  
Propfly's

### TURBO TORQUE

#### 4:1 Reduction Propfly Adapter

4:1 Reduction takes 20K motor to 5K

U4-NK..... \$ 220.00



### TURBO TORQUE

#### Straight Nose Cone 4:1

4:1 Reduction gear generates 5,000 rpm from a 20,000 rpm motor. Fits all standard E-Type connections. Will accept any 3/16" shaft lab bur or "straight handpiece" bur or any "doriot" style prophyl or contra angle.

TT-SN4 ..... \$ 275.00

## Turbo-Torque Endodontic Contra Angle Systems



**Rotary Endo!** 312 rpm speed. Deluxe 64:1 reduction Contra Angle with Mini Latch Head. For latch type, engine files.

64:1 Reduction Angle w/mini head..... TT-E64ML

\$ 400<sup>00</sup>

Mini Latch Head Only ..... MRA-NK

\$ 65<sup>00</sup>



## Reciprocating Endo!

90 Degree turn reciprocating head that accepts all standard hand files. Deluxe 10:1 reduction Contra Angle with push-button 90 degree turn head.

Contra Angle Only (with out the motor)

10:1 Reduction Angle w/head

TT-TEP10 ..... \$ 400<sup>00</sup>

Head Only TT-TEPY..... \$ 205<sup>00</sup>

Vector

# VECTORMatic

Connects directly to KaVo Intramatic or Vector deluxe contra angle attachments. No modifications or extra parts needed!

Scan for web info



### VECTORMatic IM100

#### Built-In Electric Micromotor Complete Set

40,000 RPM Motor, Touch-Pad, Control Board and VECTORMatic VM25LPA 1:5 Angle, Power Supply (not shown)  
VM-IM100-SET .....Retail \$ **2,100.00**

#### Built-In Electric Micromotor Mini Set

40,000 RPM Motor, Touch-Pad, Control Board and Power Supply (not shown)  
VM-IM100 .....Retail \$ **1,400.00**

Deluxe low-speed motor system with internal water spray.

Replacement Contra Angle Attachments for: KaVo Intramatic™ Style Contra Angle Attachments



### VECTORMatic 1:5 Increasing Handpiece

1:5 Speed Increasing, Internal Coolant contra angle handpiece, Quattro Spray, Optic, Friction Grip Burs.

VM25LPA .....Retail \$ **890.00**  
VM25LPA-3P 3 Pack ..... \$ **2,195.00**



### VECTORMatic 45 Degree 1:4.2 Speed Increasing

1:4.2 Speed Increasing, Internal Coolant Contra Angle Highspeed for Electric Systems. Friction Grip & FGSurg. Highspeed Burs.

VM45L ..... Retail \$ **1,125.00**

## VECTORMatic Angle Attachments for KaVo Type Intramatic Low Speed Angle Systems

These made in Germany deluxe push button contra angle attachments are designed and built to the original OEM specifications. Compare to genuine KaVo angles and save!



### Straight Handpiece

1:1 (blue), without light (non-optic), Separate cooling 1 hole spray, fits INTRAMatic™ connector system.

VM10P ..... \$ **450.00**  
*Direct replacement for KaVo # 10CH (524.1160)*



### Vector Motor - Internal Spay

20,000 rpm motor with internal water spray.

4 hole fixed back end connection.

AM1011 ..... \$ **655.00**



### Latch Type 1:1 (Blue)

KV68 ..... \$ **245.00**  
*Direct replacement for KaVo # 68LU (.003.7191)*



### Contra Angle Handpiece

1:1 (blue), with or without light (non-optic) Separate cooling 1 hole spray, fits INTRAMatic™ connector system. KaVo head-system compatible.

VM20P 1:1 Non-Optic ..... \$ **350.00**  
VM20LP 1:1 Optic..... \$ **450.00**



### Latch Type 2:1 (Green)

KV67 ..... \$ **245.00**  
*Direct replacement for KaVo # 67LH (540.8460)*



### Contra Angle Handpiece

2.7:1 Reduction, with or without light (non-optic) Separate cooling 1 hole spray, fits INTRAMatic™ connector system. KaVo head-system compatible.

VM7P 2.7:1 Non-Optic ..... \$ **375.00**  
VM7LP 2.7:1 Optic..... \$ **490.00**



### FG Friction Grip Type 1:1 (Blue)

KV80 ..... \$ **270.00**  
*Direct replacement for KaVo # 80LD (540.1830)*



### Contra Angle Handpiece

7.4:1 reduction, with or without light (optic) Separate cooling 1 hole spray, fits INTRAMatic™ connector system. KaVo head-system compatible.

VM29P 7.4:1 Non-Optic ..... \$ **475.00**  
VM29LP 7.4:1 Optic ..... \$ **575.00**



### Screw/Knob Type Prophy Head 2:1 (Green)

KV31LR ..... \$ **245.00**  
*Direct replacement for KaVo # 31LR (549.3380)*

**14 Contact Your Dental Dealer To Place an Order**

**Vector Marathon Angles to fit  
Midwest Shorty™ & Rhino™**



Marathon angles are not made by or in any way connected with Midwest™, Shorty™ and Rhino™ are trademarks of Dentsply.

**Midwest Type**



**Straight Nose Cone to fit Shorty™ and Rhino™ Type**

for Midwest™ # 720005

SN-MW ..... \$ 205.00



**Contra Angle Sheath to fit Shorty™ and Rhino™ Type**

for Midwest™ # 710074

CA-MW ..... \$ 115.00



**Prophy Adapter (U-Type) to fit Shorty™ and Rhino™ Type**

for Midwest™ # 760020

UA-MW ..... \$ 130.00

**Buy 3 Get 1 FREE!**



**Friction Grip - Push Button**

Compare to Midwest™ # 720475

TT-FGP-MW ..... \$ 180.00

**Buy 3 Get 1 FREE!**



**Latch Grip - Push Button**

Compare to Midwest™ # 720485

TT-LAP-MW ..... \$ 180.00

**Deluxe Ball Bearing Latch Head**

for Midwest type contra angle sheaths

DRA-MW ..... \$ 95.00

**Economy Latch Head**

for Midwest type contra angle sheaths

ERA-MW ..... \$ 65.00

**Mini Latch Head**

for Midwest type contra angle sheaths

MRA-MW ..... \$ 65.00

**Deluxe Prophy Angle - Screw Type**

for Midwest type contra angle sheath

Compare to Midwest™ # 720446

DPS-MW ..... \$ 50.00

**Vector Marathon Angles to fit  
Star Titan & Titan-T**



Marathon angles are not made by or in any way connected with Star Dental.

**Star Type**



**Straight Nose Cone to fit: Star Titan "T-Style" Motors.**

for Star # 57506

SN-ST ..... \$ 280.00



**Motor to Angle Adapter to fit: Star Titan "T-Style" Motors**

for Star # 3297

CA-ST ..... \$ 160.00

**Buy 3 Get 1 FREE!**



**Friction Grip - Push Button**

Compare to Star # 61340

TT-FGP-ST ..... \$ 210.00

**Buy 3 Get 1 FREE!**



**Latch Grip - Push Button**

Compare to Star # 61335

TT-LAP-ST ..... \$ 210.00

**Deluxe Ball Bearing Latch Head**

for Star Titan T-Style Motors

Compare to Star # 59005

DRA-ST ..... \$ 100.00

**Economy Latch Head**

for Star Titan T-Style Motors

ERA-ST ..... \$ 70.00

**Mini Latch Head**

for Star Titan T-Style Motors

MRA-ST ..... \$ 70.00

**Deluxe Prophy Angle - Screw Type**

for Star Titan T-Style Motors

Compare to Star # 63176

DPS-ST ..... \$ 60.00

**Vector Marathon Angles to fit:  
E-Type Motors**



**E-Type**



**Straight Nose Cone to fit: NSK, E-Type Motors.**

SN-NK ..... \$ 235.00



**Contra Angle Sheath to fit: NSK, E-Type Motors.**

CA-NK ..... \$ 80.00

**Buy 3 Get 1 FREE!**



**Friction Grip - Push Button**

for NSK E-type type contra angles

TT-FGP ..... \$ 175.00

**Buy 3 Get 1 FREE!**



**Latch Grip - Push Button**

for NSK E-type type contra angles

TT-LAP ..... \$ 175.00

**Deluxe Ball Bearing Latch Head**

for NSK E-type type contra angles

DRA-NK ..... \$ 95.00

**Economy Latch Head**

for NSK E-type type contra angles

ERA-NK ..... \$ 65.00

**Mini Latch Head**

for NSK E-type contra angle sheaths

MRA-NK ..... \$ 65.00

**Deluxe Prophy Angle - Screw Type**

for NSK E-type type contra angle sheath

DPS-NK ..... \$ 50.00

*The Ultimate Mini-Prophy Handpiece!*

Scan for Web Info!



# MICROLITE

by Vector R & D Inc.



Special!  
3 Pack Deal  
as low as  
**\$ 945<sup>00</sup>**

**ONLY**  
3 1/2 Inches!  
1/2 the size of a  
traditional low-speed  
handpiece!

Easy push-on, pull-off chuck mechanism.  
Accepts standard disposable prophy  
angles (not for use with metal angles).

Now  
available  
in 2 sizes!  
Microlite (3 1/2") and Microlite XL (5")

**MICROLite** - the ultimate prophy handpiece  
Includes:  
Microlite 5,000 rpm, lube-free prophy handpiece.  
1 year warranty.

Each	ML500	Regular Price \$ 500.00 ea
	Special	<b>\$ 395.00 ea</b>
3 Pack	ML500-3P	Regular Price \$ 1,350.00 pk
	Special	<b>\$ 945.00 pk</b>

**MICROLite XL** the ultimate prophy handpiece  
Includes:  
Microlite XL 5,000 rpm, lube-free prophy handpiece.  
1 year warranty.

Each	ML750	Regular Price \$ 550.00 ea
	Special	<b>\$ 425.00 ea</b>
3 Pack	ML750-3P	Regular Price \$ 1,500.00 pk
	Special	<b>\$ 995.00 pk</b>

**16 Contact Your Dental Dealer To Place an Order**

# GATOR-torque - XTC

## Accepts all Midwest Rhino Style Attachments

Incredible versatility - Gator torque motor accepts all MIDWEST Shorty™ and Rhino™ low-speed contra angles and attachments.

5,000rpm Motor - perfect speed for prophys when using the prophy adapter but can accept a standard nose cone or contra angle to perform operative procedures. Compare to Midwest Rhino.

Light-Weight Design - Lighter and shorter than our competitors motors. Fits comfortably in your hand to reduce hand fatigue and strain.



Scan for Web Info!



## Gator Torque XTC Motor & Motor Package Sets



### Gator-Torque XTC Motor Only

5,000 rpm accepts Midwest style contra angle attachments

GT-XTC \$ 460.00



### Gator-Torque XTC Prophly Pack

5,000 rpm Gator-Torque XTC Motor with Prophly Nose Cone (UA-MW), Package Set

GT-XTCPS \$ 525.00

### Gator-Torque XTC Multi Pack

5,000 rpm  
Gator-Torque XTC Motor with Deluxe Nose Cone (SN-MW) and Push Button Contra Angle (CA-MW + TT-LAP-MW)

GT-XTCCS ..... \$ 895.00



# ERGO-TORQUE II

## Deluxe Low-speed Motor

Features:

- Durable stainless steel construction.
- Built-in, attached, swivel nosecone to reduce hand fatigue and improve access to all areas of the oral cavity.
- Positive twist lock chuck mechanism hold burs and mandrels securely for higher torque operations like acrylic adjustment and polishing (more than just for prophys)
- 5,000rpm motor - the perfect speed for prophys and can do the job for most routine adjustments as well as finishing and polishing.
- 4 hole standard connection.



Scan for Web Info!



## Doriot or U-Type Contra Angles

Connects to Any Straight Attachment or "Doriot" / "U-Type" Motor



### ERGO-TORQUE II

Deluxe low-speed motor.

Features: 5,000rpm, swivel nosecone, 4 hole fixed back-end connection, positive twist lock chuck mechanism. Stainless steel construction - made in USA. 1 year warranty.

Handpiece LMM-4 \$ 420.00

**Ball Bearing Latch Type Contra Angle Head (40,000 RPM)**  
U-Type  
DRA-U ..... \$ 120.00 ea

**Economy Latch Type Head**  
U-Type (20,000)  
ERA-U ..... \$ 50.00 ea

**Mini Latch Type Head**  
U-Type  
MRA-U ..... \$ 60.00 ea

**Deluxe Sealed Screw Type Prophly Head**  
U-Type  
DPS-U ..... \$ 28.00 ea

# Lil' BEAVER *Classic*

Scan for Web Info!



Dimensions:  
 (horizontal orientation)  
 2.5"H x 7"W x 9"D  
 (vertical orientation)  
 8.25"H x 6.5"W x 9"D  
 Weight: 6 lbs.

## MAGNETOSTRICTIVE Ultrasonic Scaling Unit

### FEATURES:

- Accepts both 25K (long) and 30K (short) ultrasonic inserts - no adapter or switch, unit automatically adjusts to accommodate any style, brand or frequency.
- Turbo boost, 2 position foot pedal - press lightly for regular dial power, press firmly for TURBO! *Heavy calculus watch out!*
- Convenient front-mounted water control with large easy-to-adjust dial - easy even with gloves. Easy-to-use front mounted power dial - simple performance.
- Front mounted main power switch - shutting the unit off when left unattended just got a whole lot easier.
- Removable handpiece sheath - sterilize just the sheath not the entire handpiece for improved durability and fast between patient processing (additional handpiece sheaths available seperately).
- Lies flat or mounts vertically in provided vertical mounting stand for optimal counter space saving. Fits almost anywhere!

**Accepts Both  
 25K and 30K  
 Inserts**

**Buy a  
 Lil'Beaver  
 Classic  
 Get 2 Inserts  
 FREE!**



*Includes vertical mount base!*

## Vector Lil' Beaver Classic

### Complete Kit Includes:

Little Beaver Classic Scaling Unit, Power Cord, 2 Position Turbo Boost Foot Pedal, 1/4" Water Line w/Quick-Disconnect and filter, Vertical Mount Stand, Handpiece Holder Mount, Autoclavable Handpiece Sheath. 1 year warranty.  
 Clean - White      Item # SC-CL001

**Sug. Retail  
 \$595<sup>00</sup>**

### Packed with features!

 <p>Works with all your inserts!  <i>Any brand, any manufacturer, 25K or 30K!</i></p>	<p>Removable Handpiece Sheath</p>  <p>Replacements / Extras              SC-050 ..... \$ 35.00 ea</p>	 <p>2 position - Turbo boost foot pedal</p>	<p>Large easy to use front mounted controls</p> 
---	--	--	--



# BUCKY BEAVER

## Ultrasonic Inserts!

Completely re-designed for improved performance, durability and tip access.

For use in all "magnetostrictive" or "Cavitron" type ultrasonic scaling machines



All inserts available in 25K or 30K versions



"Slim-Jim", (**GREEN**) thin design for subgingival scaling.

Low power range.

25K BB-IF100-25

30K BB-IF100-30

**SPECIAL Buy 3 Get 1 FREE!**

**Only \$105<sup>00</sup>**



Standard, (**PURPLE**) curved tip for heavy calculus removal.

All power ranges.

25K BB-IF10-25

30K BB-IF10-30

**SPECIAL Buy 3 Get 1 FREE!**

**Only \$105<sup>00</sup>**



Triple Bend, (**ORANGE**) for heavy calculus. The most aggressive tip, removes the most amount of calculus in the least amount of time.

Designed for above the gum line heavy scaling or with the flap cut open in perio procedures. All power ranges

25K BB-IF1000-25

30K BB-IF1000-30

**SPECIAL Buy 3 Get 1 FREE!**

**Only \$105<sup>00</sup>**



"Original" external spray, for general scaling.

High to Med power range.

25K BB-P10-25

30K BB-P10-30

**SPECIAL Buy 3 Get 1 FREE!**

**Only \$105<sup>00</sup>**



"Slim-Jim" external spray, for subgingival scaling. Med to low power range.

25K BB-P1000-25

30K BB-P1000-30

**SPECIAL Buy 3 Get 1 FREE!**

**Only \$105<sup>00</sup>**

# Lil' BEAVER *Deluxe*

Scan for Web Info!



## MAGNETOSTRICTIVE Ultrasonic Scaling Unit -

### FEATURES:

- Full digital TOUCH power control with modern "back lit" display panel - for percise control and an ultra-modern-high-tech look.
- NEW! Removable, office replaceable handpiece cable with ERROR indicator light! It tells you if the cable is damaged so it can be replaced in-office with out a service call!
- Accepts both 25K (long) and 30K (short) ultrasonic inserts - no adapter or switch, unit automatically ad-justs to accommodate any style, brand or frequency.
- New "RINSE" feature stops the tip vibration allowing only water - quick and easy rinse of the patients oral cavity or used to flush water through the unit when cleaning water lines.
- Additional power-lock feature locks touch pad controls in place so they remain set to your prefered setting.
- Convenient front-mounted water control with large easy-to-adjust dial - easy adjustment even with gloves.
- Added internal water regulator for more percise, con-sistent water control and adjustment.
- Turbo boost, 2 position foot pedal - press lightly for regular dial power, press firmly for TURBO!  
*Heavy calculus watch out!*
- All aluminum housing for improved durability. No more plastic to stain, crack or break



## Lil' Beaver Deluxe

### Complete Kit Includes:

Beaver Deluxe Scaling Unit, Power Cord, 2 Position Turbo Boost Foot Pedal, Mount Stand, Handpiece Holder Mount, Autoclavable Handpiece Sheath. 1 year warranty.

Item # SC-DL001

Sug. Retail  
**\$925<sup>00</sup>**

Buy a  
Lil' Beaver  
Deluxe Get 2  
Inserts FREE!

### Packed with features!

Our most advanced scaler available. Compare to units at double the cost. A great high-tech addition to any office.

 <p>Works with all your inserts! <i>Any brand, any manufacturer, 25K or 30K!</i></p>	<p>Removable Handpiece Sheath</p>  <p>Replacements / Extras SC-050 .....\$ 35.00 ea</p>	 <p>2 position - Turbo boost foot pedal SC-150 .....\$ 110.00 ea</p>	<p>Digital touch control</p> 
 <p>Removable, replaceable handpiece cable. Allows for in-office replacement of broken handpiece cable.</p>	 <p>Error indicator - tells you if the handpiece line is disconnected or damaged.</p>	 <p>RINSE feature! No vibration only water.</p>	 <p>PURGE feature flushes the water without activating the foot pedal to facilitate water line flushing.</p>

**20 Contact Your Dental Dealer To Place an Order**

# BEAVER *Elite* 2.0

## MAGNETOSTRICTIVE Ultrasonic Scaling Unit

- With self contained dual water bottle

### Beaver Elite 2.0

Includes: Unit, Bottles (2), Foot Control, Handpiece Cable, Power Cord, 1 year warranty.

SC-100 \$ 1,150.00

Compare & SAVE!  
Only **\$1,150<sup>00</sup>**  
Sug. Retail

**Buy a  
Beaver Elite  
Get 2 Inserts  
FREE!**

Scan for Web Info!



Improved Water Pump Design.



Dripless bottle stopper and flip-top lids make refilling water a snap!



Dual Bottle System w/switch!

## FEATURES:

- Full digital TOUCH power control with modern "back lit" display panel - for precise control and an ultra-modern-high-tech look.
- NEW! Removable, office replaceable handpiece cable with ERROR indicator light! It tells you if the cable is damaged so it can be replaced in-office with out a service call!
- Accepts both 25K (long) and 30K (short) ultrasonic inserts - no adapter or switch, unit automatically adjusts to accommodate any style, brand or frequency.
- New "FLUSH" feature stops the tip vibration allowing only water - quick and easy rinse of the patients oral cavity or used to flush water through the unit when cleaning water lines.
- Additional power-lock feature locks touch pad controls in place so they remain set to your preferred setting.
- Convenient front-mounted water control with large easy-to-adjust dial - easy adjustment even with gloves.
- Added internal water regulator for more precise, consistent water control and adjustment.
- Turbo boost, 2 position foot pedal - press lightly for regular dial power, press firmly for TURBO! *Heavy calculus watch out!*
- All aluminum housing for improved durability. No more plastic to stain, crack or break
- Redesigned long lasting water pump, does not require a water source completely self-contained
- Easily refill bottles! Bottles remove easily or snap the lid off and refill on the unit.
- On-board-switch allows operator to switch between bottles - place water in one and irrigat in the other for perio therapy!

Handpiece Sheath for  
Lil'Beaver & Beaver Elite  
SC-050 .....\$ 35.00



Foot Control for Lil'Beaver &  
Beaver Elite  
SC-150 .....\$ 110.00

# Deluxe Piezo Scaler

Satelec or EMS Style! Use your existing tips!



Fully self-contained piezo scaler with dual bottle and on-board water/irrigant pump.



Your Choice of EMS or Satelec style Scaling Handpiece. Adapts to your current scaling tips and interchanges with your existing handpieces.

## POWER PLUS Piezo Scaler

Desk-Top Piezo Scaler with Dual Bottle Water Supply

Unit includes: Control Unit, Foot Control, 2 Bottles, Accessories Pack (with 5 assorted tips & tip wrench), Your Choice of Handpiece Style.

1 Year Warranty.

Desk-Top, Dual water Bottle Scaler Kit with LED Fiber-optic (Light)

**\$ 1,050.00 ea**

- EMS Compatible Handpiece ..... PT-PL900E
- Satelec Compatible Handpiece..... PT-PL900S

Desk-Top Dual water Bottle Scaler Kit with Non-LED, (No Light)

**\$ 900.00 ea**

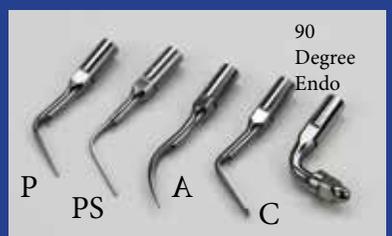
- EMS Type Handpiece ..... PT-PP500E
- Satelec Type Handpiece ..... PT-PP500S



*Note: Scaling tips do not interchange from EMS to Satelec! Putting EMS tips on Satelec or vice-versa will damage your handpiece*

### Each Unit includes all Accessories

Sterilization Tray, Autoclavable Tip Wrench with torque control, Autoclavable Tip Holder, plus 5 Tips: P, PS, A, C & 90° endo tip. Satelec/NSK or EMS type.



**22 Contact Your Dental Dealer To Place an Order**



**PIEZO**  
Technologies

## POWER PLUS Piezo Scaler

Desk-Top Piezo Scaler Kit.

Unit includes: Control Unit, Foot Control, Water Supply Connector, Accessories Pack (with 5 assorted tips & tip wrench), endo sterilization tray, autoclavable tip holder.

Your Choice of Handpiece Style. 1 Year Warranty.

Desk-Top, Scaler Kit, with LED Handpiece **\$ 650.00 ea**

EMS Type, LED (with light) Handpiece..... PT-PL300E

Satelec Type, LED (with Light) Handpiece ..... PT-PL300S

Desk-Top, Scaler Kit, Non-Led No Light **\$ 550.00 ea**

with EMS Type, No Light Handpiece ..... PT-PP200E

with Satelec Type, No Light Handpiece ..... PT-PP200S

EMS

Your choice of  
Handpiece Type



## POWER PLUS Piezo Scaler Built-In Scaling Unit

Unit includes: Control PC Board, Power Supply, Power Control Adj, Air / Electric Switch, Accessories Pack (Sterilization Tray, Autoclavable Tip Wrench with torque control, Autoclavable Tip Holder, plus 5 Tips: P, PS, A, C & 90° endo), Your Choice of Handpiece Style.

1 Year Warranty.

EMS

Satelec

LED Lighted Optic Scaler Set **\$ 850.00 Kit**

EMS Type Handpiece Type ..... PT-BIL-E

Satelec Type Handpiece Type..... PT-BIL-S

Non-Optic Scaler Set **\$ 700.00 Kit**

EMS Type Handpiece Type .....10-BI

Satelec Type Handpiece Type.....10-BI-S



Your choice of  
Handpiece Type

# Piezo Tips - Special

**Buy 3 Get 1 FREE! Buy 6 Get 4 FREE!**

PIEZO Technologies



Scan for Web Info!



## General Scaling Tips!

## Tips for Endodontics!

**G1 \$55<sup>00</sup>**  
 Similar to satelec #1. Round top scales back toward curve only.  
 EMS Type ..... 11-G1  
 Satelec/NSK ..... 11-G1-S



**E3 \$55<sup>00</sup>**  
 EMS Type ..... 11-E3  
 Satelec/NSK ..... 11-E3-S

**G2 \$55<sup>00</sup>**  
 Similar to EMS # B, Satelec # 2. Blunt scoop nose for heavy calculus.  
 EMS Type ..... 11-G2  
 Satelec/NSK ..... 11-G2-S



**Diamond P4D \$95<sup>00</sup>**  
 Our recommended tip for opening up canals and removing posts  
 EMS Type ..... 11-P4D  
 Satelec/NSK ..... 11-P4D-S

**G3 \$55<sup>00</sup>**  
 Similar to EMS #P. Thick version of perio tip for higher power settings.  
 EMS Type ..... 11-G3  
 Satelec/NSK ..... 11-G3-S



**G4 \$55<sup>00</sup>**  
 Similar to EMS # A. Similar shape to G1 no rounded top, scales on both sides.  
 EMS Type ..... 11-G4  
 Satelec/NSK ..... 11-G4-S



**G5 \$55<sup>00</sup>**  
 Similar to NSK # G1. Rounded top gentle curve version of G1.  
 EMS Type ..... 11-G5  
 Satelec/NSK ..... 11-G5-S



**G6 \$55<sup>00</sup>**  
 Similar to EMS # C. Blunt nose heavy calculus thicker than G 2.  
 EMS Type ..... 11-G6  
 Satelec/NSK ..... 11-G6-S



**H3 \$60<sup>00</sup>**  
 Similar to Satelec # H3. Heavy duty aggressive curette style tip for removal of heavy calculus.  
 EMS Type ..... 11-H3E  
 Satelec/NSK ..... 11-H3S

## Featured Item!



**TOP SELLER**

**Diamond E3D \$95<sup>00</sup>**  
 EMS Type ..... 11-E3D  
 Satelec/NSK ..... 11-E3D-S



**E1 \$95<sup>00</sup>**  
 For activating solutions in the canal  
 EMS Type ..... 11-E1  
 Satelec/NSK ..... 11-E1-S

## Periodontic Tips!

**P1 \$55<sup>00</sup>**  
 Thin sharp perio tip. Thin version of G1.  
 EMS Type ..... 11-P1  
 Satelec/NSK ..... 11-P1-S



**TOP SELLER**

**P3 \$60<sup>00</sup>**  
 Similar to EMS PS. Thin long perio tip. Thin version of G3.  
 EMS Type ..... 11-P3  
 Satelec/NSK ..... 11-P3-S



**TOP SELLER**



**E2 \$95<sup>00</sup>**  
 For activating solutions in the canal  
 EMS Type ..... 11-E2  
 Satelec/NSK ..... 11-E2-S

**Diamond P3D \$95<sup>00</sup>**  
 Diamond plated version of P3.  
 EMS Type ..... 11-P3D  
 Satelec/NSK ..... 11-P3D-S



**P2R (right crv) \$60<sup>00</sup>**  
 EMS Type ..... 11-P2R  
 Satelec/NSK ..... 11-P2R-S

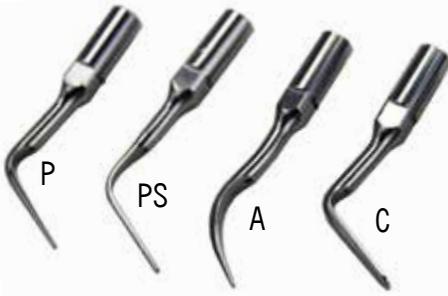


**P2L (left crv) \$60<sup>00</sup>**  
 EMS Type ..... 11-P2L  
 Satelec/NSK ..... 11-P2L-S

## Direct Replacement EMS Style tips

Direct replacement tips for EMS style. Designed as a great low cost alternative to the more expensive genuine EMS tips. Available in the 4 most popular shapes.

Also available in EMS or Satelec/NSK thread.



Description	EMS	Satelec	
#P Perio Tip.....	11-P.....	11-P-S	\$ 60.00
#PS Perio Slim.....	11-PS.....	11-PS-S	\$ 60.00
#A Universal .....	11-A.....	11-A-S	\$ 55.00
#C Beaver Tail.....	11-C.....	11-C-S	\$ 55.00

Buy 3 get 1 FREE or Buy 6 Get 4 FREE!

## TIP Wrench and Tip Accessories



Tip Wrench w/over torque release accepts both Satelec/NSK and EMS type tips.  
11-TW-S ..... **\$ 15.00**



Deluxe Wrench  
Magnetic Wrench holds tip after removal for sterilization, aluminum construction, autoclavable! For use with all brands EMS, Satelec and NSK.  
11-TW-U2 ..... **\$ 25.00**



Sterilizable Tip Holder - holds 6 tips securely for sterilization. Lid tips down for easy access in the operator. Load with your favorite tips and always have the tips you need.  
11-TH.....Special **\$ 55.00**

## Replacement Handpiece

Direct replacement part. No additional parts or accessories needed. Meets 100% of original equipment specifications.

## Handpiece Tubings Ends

### EMS Type



Units do not retrofit from non LED.

For EMS LED type handpieces (PTL-E)  
Satelec Style .....10-HEL-E **\$ 300.00**

Units do not retrofit from non LED.



For Satelec LED type handpieces (PTL-S)  
Satelec Style .....10-HEL-S **\$ 300.00**



**New Lower Price**

For EMS, Piezo Tech type handpiece  
EMS Style ..... 10-HE **\$ 200.00**



**New Lower Price**

For Satelec type handpieces  
Satelec Style .....10-HE-S **\$ 200.00**



## Vector Tips To Fit KaVo Air Scalers Direct Replacement Tips Compare and Save

**Only \$60.00**

Curette Type	Perio
# 5..... Vector # GKC	# 7..... Vector # GKP
Sickle Scaler	X-Long Perio
# 6..... Vector # GKS	# 8..... Vector # GKELP

Note: does not fit the Vector Super Sonic Scaler

*Introducing*

# - The Worlds Most Advanced Curing Light!

Every once in awhile a product like the Quazar light comes along. Finally, one curing light to cure everything in every way possible. This curing light cures from the 385 to 515 nm range, with peak curing at 405/440/465 nm and up to 3,000 mW/cm<sup>2</sup>. Machined out of a solid block of billet aluminum, unique ergonomic design will not roll off counters or trays. Unit also has a built in Plaque detection mode and included filter. See the amazing range this light can cure below. Head rotates 180 degrees for easy access and controls are super easy to use. Battery is easily replaceable in office. If you like the Valo, but want a light with more features at half the price! Quazar is your new light!

Compare to  
**VALO!**



**Swivel head design**  
(180 degrees rotating swivel head)

**Shoot button**  
(Curing light on/off)

**Ready button**  
(Plaque light on/off)



**Glass window**  
(Chemical resistant/durable glass)

**Mode button**  
(13 Curing modes selection)



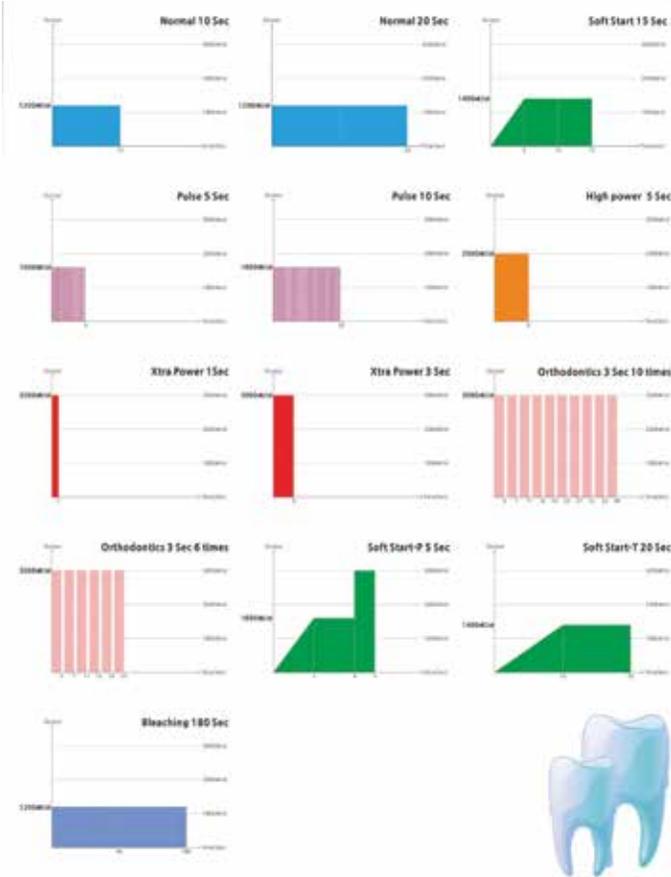
**Charging system**  
(Display the charging status with different color)

Compare:  
 \* Price!  
 \* Quality!  
 \* Performance!  
 to the VALO by Ultradent!

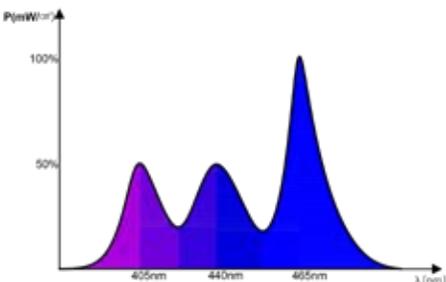
**Only  
 \$975<sup>00</sup>**



**13 Programmable  
 Curing Modes!**



Full Spectrum Broadband Curing  
 Cures any and all composites, cements  
 and bonding agents - FAST!



Plaque Detection Mode  
 with filter paddle!



## Vector Quazar Curing Light

Includes: Light, Charging Base, Power Adapter, Light Shield, Plaque Detection Paddle, Hygiene Shield Pack.

V1-CL ..... Sug. Retail **\$ 975.00**  
 1 year warranty



# LED Turbo Full Spectrum - 2,100mW/cm<sup>2</sup>

Scan For Web Info



## 3 Second, Cordless LED - Super-Fast, Dual-Cure, Curing Light

### Features -

### FULL SPECTRUM CURING! CURES EVERYTHING!

- Super High Output (2,100 mw/cm<sup>2</sup>) for super fast curing.  
(3 seconds up to 3 mm)
- Full spectrum broadband curing.  
Both blue and violet wavelength range of 390 - 480nm,  
CURES EVERYTHING FAST!!!
- 4 curing modes - *Standard, Ramp and Boost.*  
*Now new Ortho/Sealant mode!*
- High capacity battery - best battery in the business  
(2 year warranty) get over 1 hour of curing time on full battery charge (that is 1,200 three second cures on one battery charge)
- Fast charging base with built-in testing device.  
Get a 90% battery charge on 1 hour of charging time.
- Ergonomic gun type design
- High quality glass light guides, 8mm turbo tip included.  
Optional 11mm, 8mm standard or 3mm tacking tip available.



### VECTOR LED Turbo

Deluxe, ultra-high-output, full spectrum curing light.

#### Complete Kit Includes:

Curing Light, 8mm Light Guide, Light Shield, Charging Base, Power Transformer.

Black ..... VLEDT                      Retail \$ 700.00

White ..... VLEDT-W                      Retail \$ 700.00

1 year warranty on light and charging base  
(note no warranty on light guides),  
2 year warranty on battery

**Only**  
**\$595<sup>00</sup>**



# LED-P Pen Type 1400mW/cm<sup>2</sup>

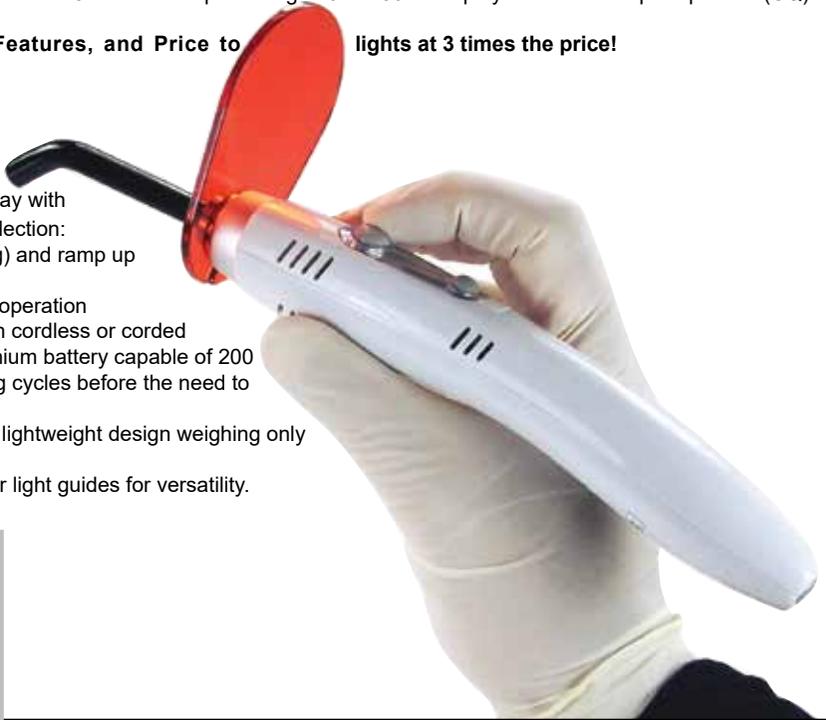


## Economy, Cordless LED - Curing Light

The Vector LED-P curing light is a fast-curing LED light offered at an incredible value price! Emits typical light output at about 1,400mW/cm<sup>2</sup> needs only 5 seconds to cure most resin-based composites on the market. Incorporates a 5W blue LED producing 440 to 480nm to polymerize all camphorquinone (CQ) containing products.

**Compare: Power, Features, and Price to lights at 3 times the price!**

- Digital timer display with multiple mode selection: Boost (fast curing) and ramp up (soft start).
- Two button easy operation
- Can be used both cordless or corded
- Rechargeable lithium battery capable of 200 - 10 second curing cycles before the need to recharge.
- Slim, ergonomic, lightweight design weighing only 155g.
- Accepts all Vector light guides for versatility.



### VECTOR LED-P Pen

Complete Kit Includes: Curing Light, 8mm Light Guide, Light Shield, Charging Base and Power Transformer. 1 year warranty.

Item # LED-P

Sug. Retail \$ 500.00

**Only**  
**\$395<sup>00</sup>**

### Curing Light

Accessories & Parts - works with all Vector curing lights



Accelerator light tip 12-8mm .....	807	\$ 150.00
Accelerator light tip 8-4mm .....	811	\$ 150.00
8mm standard light tip .....	801	\$ 100.00
12mm standard light tip .....	803	\$ 100.00



Battery for:  
LED Turbo ...VLEDT-BAT \$ 50.00  
LED-P .....LEDP-BAT \$ 50.00



Safe-T glasses  
# 802..... \$ 20.00



Oval Light Shield  
# 815..... \$ 25.00

# LET'S DO IMPLANTS!

Complete implant motor set! All you need is the implants!

Scan For Web Info



Complete Set:  
Control Box + Foot Control + Motor + 20:1 Angle!

Now with LED  
Lighted Motor and  
Fiberoptic Angle

Only  
**\$2,495<sup>00</sup>**

Full function  
variable speed  
foot pedal!



20:1 Optic  
Handpiece!

## All New MD Technologies Implant Motor Set!

Complete set includes: Control box, Full-function- variable speed foot pedal, 40,000 rpm motor with led light, 20:1 reduction fiber-optic contra angle, integrated water pump with sterile water tube.

- Everything you need to get started!
- Get your implant starter kit from your favorite implant manufacturer and go!
- Fully adjustable and programmable.
- Works with every brand make or model of implant.

### CONTROL BOX FEATURES:

- Lighted LCD Display
- Surgical & Implant settings!
- 1) Adjustable pre-programmed gear ratio:  
20:1, 27:1, 32:1, 1:1, 1:2, 16:1
- 2) Adjustable irrigant water flow control
- 3) Forward / reverse adjustment
- 4) Light on / off
- 5) Program setting/save mode



### Adjustable

- Speed
- Torque
- Program selection
- Water Flow
- LED Light on/off

20:1 Angle  
Speed Range 2,000 - 10rpm  
70nm - 5nm

### Complete Implant System!

### MD-Tech Complete Motor Set:

Includes: Control box, foot control, 20:1 Optic handpiece, multi-function variable speed foot control, handpiece stand, tubing set, accessories.

MT-ISE..... Reg. \$3,200<sup>00</sup> Special **\$2,695<sup>00</sup>**

20:1 Optic Implant Contra Angle  
MT-IO20A..... Reg. \$950<sup>00</sup> Special **\$695<sup>00</sup>**

Implant Tubing Set  
MT-ISE-TB..... Reg. \$100<sup>00</sup> Special **\$70<sup>00</sup>**



**Universal ISO E-Type connection - works with any standard E-Type electric motor system!**



20:1 Optic Implant Contra Angle. Works on all fiberoptic implant systems. Stainless steel body for extra durability, stain-resistant! External Irrigation. 20:1 gear reduction - 20 to 2,000 rpm, Max Torque 70Ncm. Push Button latch type - for implant drills.

**OPTIC Style - Universal ISO E-Type connection! Works with any standard E-Type Optic electric motor system (note must have optic connection)!**

MT-IO20A..... Reg. \$ 950.00  
Special ..... **\$695<sup>00</sup>**

**Only \$695<sup>00</sup>**



Deluxe Push Button 20:1 Implant Contra Angle. Precision pin-set-no-shear gears, hardened steel alloy transgear. Deluxe ball bearing cartridge. Precise transfer of torque and speed. Rated to 70nm - far exceeds most implant motor systems.

Compare to NSK SG20A

MT-20PDX..... Reg. \$ 650.00  
Special ..... **\$495<sup>00</sup>**

**Only \$495<sup>00</sup>**

Compare Low Service Cost! - Service Parts:  
Precision replacement Transgear (also fits NSK)  
MT-20TG ..... \$ 65.00  
Precision Replacement Cartridge (also fits NSK)  
MT-20CT ..... \$ 105.00



Deluxe straight handpiece with External Spray Irrigation. 1:1 gear transmission (no increase). External spray tube attachment for surgical systems. Internal water for electric highspeed systems. For standard length straight handpiece burs 2.35 mm. Available in optic or non-optic versions.

Compare to NSK SG65L, SG65

Non-Optic VM10-SG ..... Reg. \$ 650.00  
Special ..... **\$400<sup>00</sup>**

Optic VM10L-SG..... Reg. \$ 850.00  
Special ..... **\$540<sup>00</sup>**

Note: Optic angles will not fit on non-optic motors



Deluxe surgical style straight handpiece with External Spray Irrigation. 1:1 gear transmission (no increase). External spray tube attachment for surgical systems. For standard surgical length straight handpiece burs 2.35 mm x 65/70 mm.

Compare to NSK SGS-ES

MD Technologies 1:1 straight nosecone surgical for #3 Shank

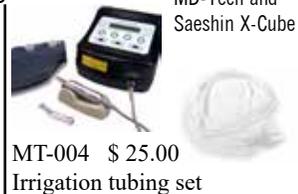
Non-Optic MT-211 ..... Reg. \$ 1,250.00  
Special ..... **\$900<sup>00</sup>**

Note: Will fit both fiberoptic and non-optic motors.

**Tubing Sets for Previous Model MD-Tech Systems**



Implant Tubing Set, Includes:  
Tubing, plunger, stopper, handpiece clips  
MT-IOIT ..... Special **\$12.00**  
Package of 10 sets  
MT-IOIT10P ..... Special **\$100.00**



MD-Tech and Saeshin X-Cube  
MT-004 \$ 25.00  
Irrigation tubing set

# Mega-Torque Electric Lab Handpiece Set



## Features!

**High quality, modern, durable control box.** We have updated and modernized our control box for a more stylish look. **But looks are not everything!** New digital speed control dial with digital read-out. Exclusive Auto-Cruise button maintains speed even after letting up on foot pedal.

## Features!

**Deluxe high-torque 0-35,000rpm lab handpiece.** Compare and save! This is a high performance motor. Very smooth and quiet with twist style chuck to quickly exchange out burs and mandrels with ease. Back cord cap removes easily for quick in-office replacement of motor brushes.

## Features!

**Variable speed foot pedal included!** The high quality foot pedal allows full, hands-free speed adjustment. Compare to our competitor's units that include only an on/off foot pedal which forces you to adjust speed at the control box dial. The variable speed foot pedal is a "must have" feature when shopping for a new lab motor! **All VECTOR MEGA-Torque Lab Motors come with the variable speed foot pedal option included at no charge!**



## MEGA Torque Electric Lab Handpiece - Kits!



**Lab Motor Set**  
Control box, foot pedal,  
deluxe lab handpiece  
# EL-S..... \$ 400.00



**E-Type Motor Set**  
Control box, foot pedal,  
E-Style Handpiece  
# EL-SE ..... \$ 400.00



**E-Type W/Nosecone Set**  
Control box, foot pedal, E-Style  
Handpiece , (SN-NK) E-type  
straight nose cone  
# EL-SEW..... \$ 525.00

Replacement Handpieces \$ 200.00 each



Vector Handpiece Only  
EL-L3



Vector Handpiece E-Type  
EL-ET3



Vector Handpiece Only  
Nosecone Type  
EL-L3NC

Service Parts  
(may require installation)

Spindle Chuck Assy.  
EL-SCA ..... \$ 58.00  
Brushes set of 2  
EL-BR ..... \$ 20.00  
Foot Control (old)  
EL-FC ..... \$ 80.00  
Foot Control (new)  
EL-FC2..... \$ 80.00

# Black Max Brush-less Lab Handpiece System

The Black Max brush-less system is a high-performance, high-torque, high-speed (50,000rpm) dental laboratory handpiece system. This motor is perfect for the commercial dental laboratory or the dentist who is looking to upgrade to a “commercial” quality unit.



**A “Must-Have” for any CEREC User!  
50,000 rpm polishes all materials!**



## Full featured and complete

**Handpiece:** Ultra-smooth, brush-less, 50,000rpm handpiece. Accepts all 3/32” lab burs, mandrels, and cutting tools. Smooth strong chuck prevents bur slip.

**Control Box:** Digital speed read-out, digital forward/reverse and hand/foot selector. Full function and upright display panel for ease of adjustment. Built-in carrying handle enhances portability.

**Foot Control:** Full function and easy to use foot pedal.

**Exclusive Auto-cruise Feature:** When on foot control mode select the “auto-cruise” button. Hold the motor speed at the desired rpm, the unit will beep in a few seconds, let up on the foot pedal and the unit will maintain the selected speed until the foot control is depressed again. This feature reduces foot strain during longer procedures while still allowing the variable speed of the foot pedal.

## Black Max Deluxe Brush-less Lab Motor System

Includes: Control box, handpiece, foot control, handpiece stand, power cord. 1 year warranty.

Made in Korea.

### Handpiece Kit

BL-500 ..... \$ 975.00

### Accessories:

Black Max Handpiece Only

BL-550 ..... \$ 500.00

Black Max Foot Control Only

BL-FC ..... \$ 110.00



# 45° Highspeed - No Air Jet!

The new Vector ECO & OS series 45 is an excellent value and great combination of durability and performance. No chip-air into the surgical sight reduces the risk of air embolism when compared to a standard air driven highspeed handpiece. 45 degree angle design improves access to the 3rd molar region. Medium head-design provides good visibility to the surgical area. Vector engineering and design produces quiet and efficient operation with plenty of power to get the job done!



Available in 3 configurations: The ECO-45 K series in both optic and non-optic type that connect to Vector & KaVo Multiflex couplers and the ECO-45 model with included quick-release swivel connector for the offices that have simple 4 hole connectors.



## ECO-45(K) Style - Non-Optic

Vector Non-Optic ECO-45 K-Style non-optic 45 degree highspeed. Includes: Highspeed, Cap Wrench, Spray lubrication adapter.

OS45S ..... \$ 450.00



## ECO-45(K) Style - Optic

Vector Optic ECO-45 K-Style optic 45 degree highspeed. Includes: Highspeed, Cap Wrench, Spray lubrication adapter.

OS45SL ..... \$ 650.00



**Connects To KaVo**

### ECO 45 Accessories

-  Replacement Turbine # TNCS \$175<sup>00</sup>
-  Push Button Back Cap # E-45-BC \$25<sup>00</sup>
-  Swivel # VNQD \$80<sup>00</sup>
-  Swivel Oring Kit # E-QD-OR \$8<sup>00</sup>

## Vector ECO 45 - For 4 Hole Connections

- Excellent torque and cutting efficiency!
- Improved bur holding power!
- Direct replacement for NSK CH45 style high-speeds!
- Single water spray - no chip air!



**4 hole Swivel Connector Included!**

Kit Includes: Handpiece, 4 Hole Connector, Lube Adapter & Back Cap Wrench.



Note: Connector should not be autoclaved. Disconnect before sterilization

**Vector ECO 45** High-performance air-driven 45 degree, no-chip-air, highspeed handpiece. With quick connect swivel connection included, connects to 4 hole non-optic tubings. 6 month warranty on turbine, 1 year on handpiece.

Includes: Handpiece, 4 hole swivel connector, lubrication adapter, cap wrench. 6 month warranty on turbine, 1 year on handpiece.

E-45-4 ..... Retail \$ 400.00

Turbine: Vector # TNCS ..... Retail \$ 175.00

## Prophy Plus Air Polisher



**BIO-FILM  
BUSTER!**

**FREE VKS  
Swivel Coupler  
with Purchase of  
PPW-K**

**# PPW-K  
Retail \$ 995.00**



### Prophy Plus Handpiece Kit

**Retail..... \$ 995.00**

Includes: Handpiece, tip and replacement o-ring kit.

Note: Powder and swivel sold separately.

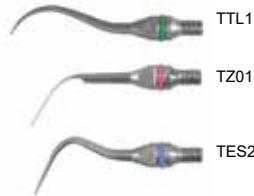
KaVo Type ..... PPW-K  
NSK Type ..... PPW-N  
Bien-Air ..... PPW-B  
Sirona ..... PPW-S

## SUPER SONIC Air Scaler



**FREE VKS  
Swivel Coupler  
with Purchase of  
SS-17K-K**

4 line Fixed Back End  
SS-17K-M \$ 620.00  
KaVo Swivel Compatible  
SS-17K-K \$ 620.00



### Super Sonic Air Scaler

Includes: Scaler, 1 each scaler tip (TTL1, TZ01, TES2), tip wrench, service wrench, instructions

For KaVo Swivels ..... SS17K-K **\$ 700.00**  
4 line fixed back end... SS17K-M **\$ 700.00**

#### Accessories:

Power cartridge ..... SS-5022711 \$ 400.00  
Tip green ..... SS-TTL1 \$ 75.00  
Tip pink ..... SS-TZ01 \$ 75.00  
Tip blue ..... SS-TES2 \$ 75.00

# Vector DigiMix Amalgamator

#### Features:

#### **NEW! Digital Variable Speed Control:**

Variable speed adjustment allows user greater flexibility with concern to firmness, wetness of mix as well as broadening the scope of materials the amalgamator is able to mix.

Speed range Variable from:  
2,800 to 5,000

#### **Digital Time Control:**

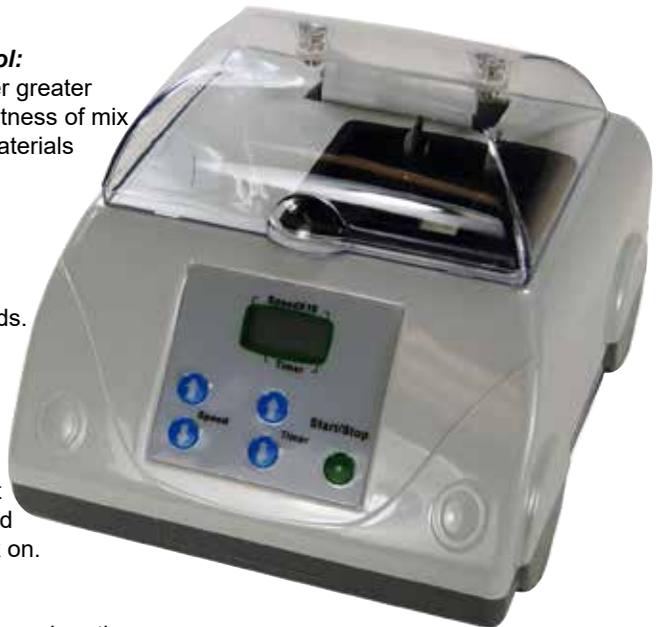
Set the time digitally from 1-99 seconds.  
Auto stop at desired time with digital countdown timer.

#### **Time and speed Memory:**

On-board memory allows the user to turn the main power switch off without having to reset the last time and speed setting when the unit is powered back on.

#### **Safety Door Switch:**

Save your fingers! Unit stops oscillation when the door is opened saving your knuckles from reaching in on an active, moving capsule.



Variable speed digital amalgamator.  
Basic simple controls, quiet operation.

A-VS100 ..... **\$ 270.00**

# VECTOR

## VORTEX *Dry Vac System*

Introducing the Vector Vortex Vacuum System – THE! Superior Dry Vac System!

Features:

- Variable Power Drive Technology: Powers-up and Powers-down instantly on-demand to maximize suction while reducing electricity cost.
- Full 2.3HP motor(motors) - base model unit will power 7 simultaneous users.
- Stainless Steel Tank! Welded and powder coated - prevents rust and provides increased strength and durability.
- Built-in Check Valve on each unit.
- No Oil! Maintenance-free-no-oil system. No routine maintenance.
- No Water - save on water and sewer cost, while saving the environment.
- Very Quiet operation only 62 Decibels.

**Your source  
for SCARY  
suction!**

*No Water  
No Oil  
No Worries*



Warranty:

3 Year Motor Warranty

5 Year Impellar and Electronics Warranty

10 Year Tank Warranty

*Compare! Save Thousands! Nobody provides more power for less!*

**36 Contact Your Dental Dealer To Place an Order**

# MONSTER SUCTION

- Adjustable/Programmable Power
- 220V - 20 AMP, 2.3 HP Motor
- No Maintenance - Lube-Free
- Easily Expand with Just a Simple Adjustment up to 7 Users (single head)
- Add power head for dual reliability or additional capacity. (12-15 user)
- Unit Auto Senses Increased Flow and Increases Power to when you need it, and saving you money when you don't
- Single Stack Tank for ultimate Space Saving
- Dual Stack System also Available with 15 or 30 Gallon Tank (up to 7 and 17 Users Respectively)

## The Brute!

### Single 2 HP

1 - 2.3 HP Power Head  
1 - 15 Gallon Tank

#### Specifications:

Users ..... 1-7  
CFM @ 8HG..... 45  
Noise ..... 62 DB  
Dimensions..... 24W x 18D x 45H  
Requirements .... 1 - 208/230 Volt (7 Amp) 20 amp  
(VV-115)..... **\$ 8,250.00**



## The Ogre!

### Dual 2 HP W Small Tank

2 - 2.3 HP Power Head  
1 - 15 Gallon Tank

#### Specifications:

Users ..... 5-12  
CFM @ 8HG..... 90  
Noise ..... 62 DB  
Dimensions..... 24W x 18D x 65H  
Requirements .... 2 - 208/230 Volt (7 Amp)  
20 amp  
(VV-215) ..... **\$ 15,750.00**

## Dual 2 HP W 30 Gallon Tank

2 - 2.3 HP Power Head  
1 - 30 Gallon Tank

#### Specifications:

Users ..... 7-15  
CFM @ 8HG..... 90  
Noise ..... 62 DB  
Dimensions  
48W x 18D x 52H  
Requirements  
2 - 208/230 Volt  
(7 Amp) 20 amp  
(VV-230)  
**\$ 17,000.00**



## The Beast!

# VECTOR

## VORTEX

by Vector R & D Inc.

# EXTRA-ORAL Suction Device

*Providing safety and piece-of-mind for Doctors, staff and patients*

Reopening during the covid-19 crisis, dentists are looking to protect themselves, their staff and their patients from unnecessary risks of infection. The last thing a Dentist needs is another piece of equipment that doesn't function as advertised or breaks and you can't get parts! The Extra-Oral Suction market is being filled with glorified "Shop-Vac's" and copycat machines which will shortly become pieces of unused, broken or defective piles in equipment graveyards.

The Vector Vortex is different! Our manufacture has been building Extra-Oral suction machines for over 20 years. They have developed the features, technology, expertise and quality that a piece of medical equipment addressing an issue as serious as COVID-19 infection should have.

Your staff and patients are trusting you to open safely and you can trust us to provide an effective and reliable piece of equipment to help you do just that!

### POWER!

- 20Kpa of suction power produces consumes over 105.9 cubic feet of air! Capture particles, vapor!
- 7 watt UVC light more effective than our 4 watt competitors!
- High voltage plasma generator for +,- ion sterilization and electromagnet-Plasma generation is used in multiple industries to sterilize gases and surfaces.

### ERGONOMICS!

Extra adjustment knuckle (5 positions not 4) right at the oral cavity for fine more effective particle capture. Proper positioning as close as possible to the for adequate particle capture. The Vector Vortex makes that final positioning

Exclusive "HALO" suction hood with integrated shield. Position the hood like a protection or flip the hood around to be used like a "catchers-mitt". Both hoods and HALO design!

### FILTRATION! 2 HEPA Filters!

3 stages of manual filtration - 1st stage metal screen for bulk particle removal and cleaned). 2nd stage HEPA air filter in-side the UVC light chamber. 3rd stage

### DISINFECTION!

The Vector Vortex employs 2 disinfecting technologies UVC light and plasma generation. UVC light keeps the sage 1 HEPA filter clean as well as killing air-born particles forced through the UVC light chamber. The air then goes into the plasma sterilization chamber both killing and charging the particles prior to moving to the final stage large HEPA-13 filter. Plasma sterilization is ideal for sterilizing gases and surfaces.

Vector Vortex - Extra Oral External Evacuation Unit 110v/60hz. Includes: Unit, Arm, filter set (installed). 1 each clear plastic hoods. 2 year warranty.

VV-1000 .....\$ 2,900.00

**SPECIAL OFFER! Buy 1 Vortex Unit  
Get 1 50% OFF! Limited To Stock On-Hand!**

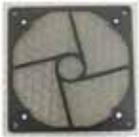


Now Available a "Must-Have"  
Optional Foot Control  
Upgrade Kit!  
Sold Separately



Vector Vortex Foot Control  
Upgrade Kit  
VV-205-KIT \$ 225.00

## Accessories:



Vector Vortex Filter Set  
Stage 1 Metal Filter (A)  
VV-102 ..... \$ 80.00



Stage 2 HEPA Filter (B)  
VV-103 ..... \$ 80.00



Vector Vortex Large HEPA Filter  
(Final Stage)  
VV-101 .....\$ 110.00



Vector Vortex UV Lamp  
VV-108 .....\$ 100.00



Vector Vortex  
Capture Hoods  
A Standard Bowl Type  
VV-104 .....\$ 25.00  
B) "Halo" Style w/shield  
VV-105 .....\$ 25.00

**Special Offer!**  
**Buy 1 Vortex  
Unit Get 2nd Unit  
50% off!**  
**Limited to Stock on Hand!**

## ACCESSORIES

### MOBILE STAND

- Make your hand-held into a mobile X-ray with our new rolling stand with tablet mount. Remote Switch included. (DX-P545) 1,850.00

### Remote Switch

- 8' wired remote exposure (DX-P555) 75.00



### Battery Charger

- With Cradle (pre 2018) (DX-P510) [shown] 175.00
- Charger Only (transformer & Cord) Will work with MaxRay & Cocoon (DX-P512) 150.00



### AC Adapter

- For direct connection to 110 volt wall outlet. (DX-P525) 375.00



### Operator Apron

- With integrated neck strap clips and thyroid collar. BLACK (DX-P535) 300.00



### Battery Replacement

- (A) Removable (pre 2018) (DX-P565) 400.00
- (B) Internal (2018-present) (DX-P570) 400.00
- (C) Back Up External Internal For Cocoon (not shown) (DX-P150) 400.00
- (DX-P715) 450.00



- 5 inch magnetic charging adapter post 2017 (DX-P575) 40.00



### Mobile Master Kit [software not included]

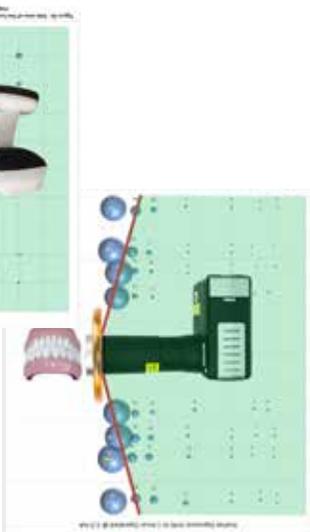
Create a full-self-contained digital system with X-Ray, Sensor and Tablet PC.

- Take X-rays on the go, anywhere! (DX-SPM200W - White) (DX-SPM200B - Black) (DX-P400) 425.00

### Tablet Mount and Cradle Only

What sets the MaxRay & MaxRay Cocoon apart from the competition?

- Better Technology!
- Toshiba X-Ray tube - Oil cooled Power Tank
- Lithium Polymer Battery
- Better Design / Ergonomics!
- Light Weight yet fully shielded
- Ambidextrous - left or right hand operation
- Padded Neck Strap - included!
- Choice of: "Camera-Style" or "Gun-Style"
- Better Value!
- Lower Initial Cost
- Lower cost repairs - service
- Better Warranty / Service!
- Compare the one time cost of our extended warranty to the yearly cost of our competitor's
- US service and support.



Worried about safety? Virtually undetectable backscatter radiation. See the complete independent study on our website.

**5 Year Extended Warranty Program (\$595.00)**  
 Provides for a complimentary loaner unit shipped overnight to your office. Unit is repaired free of charge less the graduated deductible. Loaner machine non-warranty cost \$ 200.00 per week + freight.  
 Year 1 = no deductible repaired free of charge.  
 Year 2 = \$ 100.00 deductible (Charged a maximum of \$ 125.00).  
 Year 3 = \$ 150.00 deductible (Charged a maximum of \$ 180.00).  
 Year 4 = \$ 250.00 deductible (Charged a maximum of \$ 275.00).  
 Year 5 = \$ 300.00 deductible (Charged a maximum of \$ 350.00).  
 Extended warranty must be purchased within 30 days of receipt of the unit.



MOBILE X-RAY SYSTEMS

IRIDIUM DENTAL



THE INNOVATION LEADER IN HAND-HELD X-RAYS

Neck Strap Included!



MaxRay .....Spec.  
 KVP .....65  
 mA .....1.7  
 Focal Spot .....0.4mm  
 Filtration .....2.3mmAl  
 Volts .....12-18.0  
 Style .....Camera

Back-up Battery

Keep your office running even if you forget to put your MaxRay on the charger. Or if the internal battery falls!



AMBIDEXTROUS



Indicator switch flips the active trigger from right to left hand firing.

OLED Display



Large bright easy to read display.

High-Capacity Battery



New Fast charge internal battery - 300-500 shots per battery charge (dependent on exposure time!)



MaxRay  
 - Includes: Unit with Internal Battery, Back-up Battery, Charger, Charging Pad, Neck Strap, Case and Instructions  
 Black (BX-300K)  
 White (BX-300W)



Compare!  
 Sug. Retail  
 \$5,750.00  
 Dealer Prices Vary



**MaxRay COCOON**

- Very light - under 5 pounds
- Powerful - 70 kVp
- High capacity battery - 500 shots
- Easy to use - innovative display and voice prompts



Compare!  
Sug. Retail  
**\$7,500.00**  
Dealer Prices Vary

MaxRay Cocoon

Spec.	70
kVp	1.7
mA	0.4mm
Focal Spot	2.3mAl
Filteration	14
Volts	Style.....Gun Type

Innovative display - full function controls. With voice prompting - yes the Cocoon TALKS!



Easy 1 handed operation. Unit easily mounts to charging dock with one hand.



MOBILE X-RAY SYSTEMS

MaxRay Cocoon - Includes: Unit with Internal Battery, Back-up Battery, Charging Cradle, Neck Strap, Power Adapter, Case and Instructions (BX-7017)





Vector R&D, Inc. - 6824 19th St #230 - University Place, WA 98466 - 877.883.7455 - IridiumDental.com



**MAXRAY**  
MOBILE X-RAY SYSTEMS

THE INNOVATION LEADER IN  
HAND-HELD X-RAYS



**IRIDIUM DENTAL**