



Wireless Foot Control



Velocity^{ALPHA} high speed surgical drill system

Enquiries:

WhatsApp us 

+91 8310104090

+91 7411484448



RIGHT AVENUE MEDTECH
"CONNECTING INNOVATION WITH HEALING"



Velocity® Alpha universal cutter system

> 80% less cutter codes and inventory cost

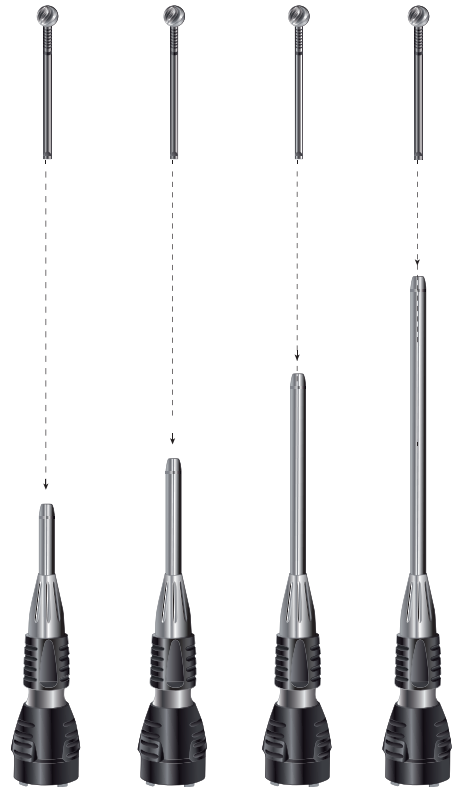
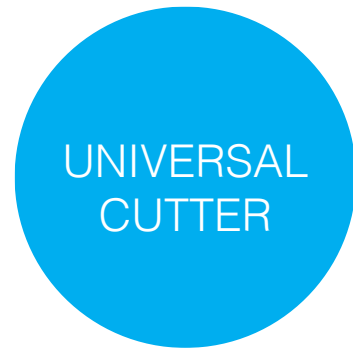
Instead of more than 200 to 300 different cutters and product codes, Velocity® Alpha only has 50 codes without compromising variety. This means less stock requirement and free cash-flow for the hospital.

> no more cutter identification

Warehouse managers, nurses, surgeons, purchasing officers will all benefit from the simplicity of the universal cutter design. Less codes mean less hassle.

> Improved safety

The common risk of using the wrong cutter with the wrong nosepiece is eliminated.



VARIABLE EXPOSURE



One cutter - 8 exposure positions.
Peerless flexibility.

> variable cutter exposure

- Depending on the procedure, surgical area and other factors, surgeons want cutters to protrude more or less from the nosepiece. Now, they can select from 8 different positions for each tool (exposure range = 8 mm).



ONE-CLICK COUPLING



One click coupling mechanism.
No twisting, no pulling, no headache.

> one-click coupling

Inserting, removing or changing cutters has never been easier. To insert the tool, simply push the cutter into the nosepiece until you hear and feel the “click”. That’s it. Less training, less risk of errors. OR Time is expensive. The automatic one-click coupling system saves significant time, during set-up as well as intra-operative.



One click to connect any cutter



One click to connect any attachment





✓ VAC220 / VAC110

Control unit with integrated irrigation pump and wireless foot control



Motor cable safety socket



Illuminated touchscreen



Integrated irrigation pump

WIRELESS FOOT CONTROL

- > Large, easy to find foot print
- > Wide-angle accessibility
- > 3 color-coded program buttons
- > Accelerator or On/Off Mode
- > Safety guard



✓ VAFCBT

Wireless water-proof foot switch



✓ VAF

Wired water-proof foot switch. Integrated 3 m cable.

✓ Speed reducer

> Ergonomic shape. High torque.

The Velocity[®] Alpha speed reducer is designed for fast and efficient cranial perforation. For best performance please use adeor MeridianTM cranial perforators.



✓ High speed motor

> High speed and torque - minimal thermal warming.

Taking advantage of the continuous developments for brushless electric motors, the new Velocity[®] Alpha high speed motor offers reduced dimensions for improved ergonomics, an increase in power and torque but also reduced thermal warming (compared to VMM-100EC) and a tougher, more sturdy cable connection to better withstand the daily routine in operating rooms and sterile processing departments.



VMT-102E

Speed reducer

attaches to all cranial perforators with hudson fitting
high torque / 1:64 ratio



VAM

80.000 rpm high speed motor
with integrated 3.5 m cable
autoclavable < 134°C

✓ Craniotomy attachments

Modular setup

The Velocity[®] Alpha craniotomy attachments consist of a combination of a solid heavy duty craniotome base which can be coupled with six different duraguards. The duraguards are available in three lengths, fixed or rotatable. The duraguard design facilitates smooth and fast cutting:



VMN-C1

craniotome base

holds fixed and rotatable duraguards Safety lock mechanism

> One click coupling

> Super slim design



VMCH-1

short duraguard

12 mm cutting width
fixed version

VMCH-1R

short duraguard

12 mm cutting width
rotatable version



VMCH-2

medium duraguard

15 mm cutting width
fixed version

VMCH-2R

medium duraguard

15 mm cutting width
rotatable version

VMCH-3

long duraguard

22 mm cutting width
fixed version

VMCH-3R

long duraguard

22 mm cutting width
rotatable version



VMCH-D

craniotome head

to be used with short, medium or long craniotome cutters

✔ Straight nosepieces

Super slim - packed with unique features.

Velocity® Alpha straight nosepieces are designed with the toughest challenges in microsurgical procedures in mind. They are built to last and offer reliable performance without excessive heat, vibration or noise. All Velocity® Alpha nosepieces offer a unique set of features:

VMN-XS

extra short attachment straight (without telescoping)
working length 22 mm

✔ VMN-S1

short attachment straight
working length 40 mm
total length 110 mm

VMN-S2

medium attachment straight
working length 70 mm
total length 140 mm

VMN-S3

long attachment straight
working length 100 mm
total length 170 mm



- > Universal cutter system
- > Variable cutter exposure
- > One click coupling
- > Super slim shaft diameter (5.4 mm)

Minimally invasive telescoping nosepieces

- > Variable cutter exposure
- > One click coupling
- > Super slim shaft diameter (4.3 mm)

VMN-TS1

short attachment straight
working length 70 mm
total length 90 mm

VMN-TS2

medium attachment straight
working length 100 mm
total length 120 mm

VMN-TS3

long attachment straight
working length 130 mm
total length 150 mm

VMN-TS4

extra long attachment straight
working length 160 mm
total length 180 mm

VMN-TA1

short attachment curved
working length 70 mm
total length 90 mm

VMN-TA2

medium attachment curved
working length 100 mm
total length 120 mm

VMN-TA3

long attachment curved
working length 130 mm
total length 150 mm

VMN-C2

base unit
telescoping function
accepts all minimally invasive attachments



Angled nosepieces

Super slim - packed with unique features.

Velocity® Alpha angled nosepieces are designed with the toughest challenges in microsurgical procedures in mind. They are built to last and offer reliable performance without excessive heat, vibration or noise. All Velocity® Alpha nosepieces offer a unique set of features:



VMN-A1

short attachment angled
working length 40 mm
total length 120 mm

VMN-A2

medium attachment angled
working length 70 mm
total length 150 mm

VMN-A3

long attachment angled
working length 100 mm
total length 180 mm

VMN-A4

xl attachment angled
working length 130 mm
total length 210 mm

VMN-A5

xxl attachment angled
working length 170 mm
total length 250 mm

VMN-A6

xxxl attachment angled
working length
total length

- > Universal cutter system
- > Variable cutter exposure
- > One click coupling
- > Super slim shaft diameter (5.4 mm)
- > 25° angulation for enhanced vision

Irrigation tubing set and adapters

- > customized irrigation adapters available for all nosepieces
- > can be connected to single-use sterile tubing set
- > targeted irrigation of drilling area
- > adjustable flow rate

VMM-ITS-6

irrigation tubing set
6 pcs. per box
sterile packed

VMN-IR-XS

extra short irrigation adapter
compatible with Velocity® Alpha nosepieces
VMN-XS

VMN-IR-1

short irrigation adapter
compatible with Velocity® Alpha nosepieces
VMN-S1 and VMN-A1

VMN-IR-2

medium irrigation adapter
compatible with Velocity® Alpha nosepieces
VMN-S2 and VMN-A2

VMN-IR-3

long irrigation adapter
compatible with Velocity® Alpha nosepieces
VMN-S3 and VMN-A3

VMN-IR-4

xl irrigation adapter
compatible with Velocity® Alpha nosepiece
VMN-A4

VMN-IR-5

xxl irrigation adapter
compatible with Velocity® Alpha nosepiece
VMN-A5

VMN-IR-6

xxxl Irrigation adapter
compatible with Velocity® Alpha nosepiece
VMN-A6



Velocity[®] Alpha micro saws

Velocity[®] Alpha micro saws offer reliable performance for a wide variety of microsurgical, spinal, CMF and orthopedic procedures. Key features of the Velocity[®] Alpha micro saws are:

- > Minimal vibration
- > High cutting efficiency
- > Clean low pressure cutting
- > Integrated and adjustable irrigation
- > Fully detachable for optimized cleaning
- > Long lifetime
- > Lightweight
- > Slim design
- > Fully compatible with Velocity[®] Alpha high speed motor and control unit

**VMN-OS1**

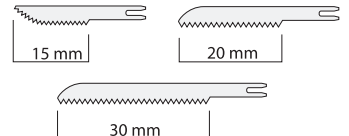
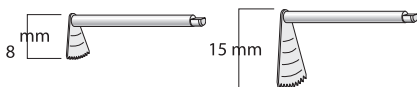
oscillating saw attachment
operating speed 40,000 rpm
detachable

VMN-SS1

sagittal saw attachment
operating speed 40,000 rpm
detachable

VMN-RS1

reciprocating saw attachment
operating speed 40,000 rpm
detachable

Velocity[®] Alpha micro saw blades**Oscillating saw blades****for VMN-OS1 saw attachment**

1:1

1 pc. per package
single-use
sterile

VMN-O-8-S 8.0 mm saw blade

VMN-O-15-S 15.0 mm saw blade.

Sagittal saw blades**for VMN-SS1 saw attachment**

1:1

1 pc. per package
single-use
sterile

VMN-S-6-S 6.0 mm saw blade

VMN-S-10-S 10.0 mm saw blade.

Reciprocating saw blades**for VMN-RS1 saw attachment**

1:1

1 pc. per package
single-use
sterile

VMN-R-15-S 15.0 mm saw blade

VMN-R-20-S 20.0 mm saw blade

VMN-R-30-S 30.0 mm saw blade

Meridian™ cranial perforator range

CRANIAL
PERFORATORS

✔ Unique Benefits

- › Popular design for maximized familiarity
- › Suitable for skull thicknesses as thin as 1 mm
- › Safe release mechanism
- › Suitable for even and uneven bone
- › Universal Hudson fitting
- › Durable cutting efficiency
- › Different housing colors to easily identify the different models
- › Available in most commonly used sizes



Meridian^{Classic} Single-Use Perforator
PER C6-9-S 6 / 9 mm (inner / outer diameter)
 single-use, sterile, for skulls as thin as 2 mm
 alternative to Integra® / Codman® 26-1223



Meridian^{Classic} Single-Use Perforator
PER C8-11-S 8 / 11 mm (inner / outer diameter)
 single-use, sterile, for skulls as thin as 2 mm
 alternative to Integra® / Codman® 26-1222



Meridian^{alpha} Single-Use Perforator
PER 7-11-S 7 / 11 mm (inner / outer diameter)
 single-use, sterile, for skulls as thin as 3 mm
 alternative to AcraCut® 200-243



Meridian^{alpha} Single-Use Perforator
PER 11-14-S 11 / 14 mm (inner / outer diameter)
 single-use, sterile, for skulls as thin as 3 mm
 alternative to AcraCut® 200-241 or 200-271



Meridian^{alpha} Single-Use Perforator
PER 7-11-SP 7 / 11 mm (inner / outer diameter)
 single-use, sterile, for skulls as thin as 1 mm
 alternative to AcraCut® 200-253



Meridian^{alpha} Single-Use Perforator
PER 11-14-SP 11 / 14 mm (inner / outer diameter)
 single-use, sterile, for skulls as thin as 1 mm
 alternative to AcraCut® 200-251



Meridian^{Classic} Single-Use Perforator
PER C11-14-S 11 / 14 mm (inner / outer diameter)
 single-use, sterile, for skulls as thin as 2 mm
 alternative to Integra® / Codman® 26-1221

Velocity[®] Alpha universal cutter range

UNIVERSAL CUTTER



One universal cutter for all Velocity[®] Alpha nosepieces.

**Balltip / Kugel****universal cutter**

Velocity[®] Alpha
single-use sterile

B10 Ø 1.0 mm
B15 Ø 1.5 mm
B20 Ø 2.0 mm
✓ **B32** Ø 3.2 mm
✓ **B40** Ø 4.0 mm
✓ **B48** Ø 4.8 mm
B64 Ø 6.4 mm

**Diamond Ball****universal cutter**

Velocity[®] Alpha
single-use sterile

DB08 Ø 0.8 mm
DB10 Ø 1.0 mm
DB15 Ø 1.5 mm
DB21 Ø 2.1 mm
✓ **DB33** Ø 3.3 mm
✓ **DB42** Ø 4.2 mm
✓ **DB50** Ø 5.0 mm
DB60 Ø 6.0 mm

**Diamond Ball coarse / grob****universal cutter**

Velocity[®] Alpha
single-use sterile

DBC08 Ø 0.8 mm
DBC10 Ø 1.0 mm
DBC15 Ø 1.5 mm
DBC21 Ø 2.1 mm
DBC33 Ø 3.3 mm
DBC42 Ø 4.2 mm
DBC50 Ø 5.0 mm
DBC60 Ø 6.0 mm

**Oval****universal cutter**

Velocity[®] Alpha
single-use sterile

OV40 Ø 4.0 mm
OV55 Ø 5.5 mm

**Neuro Matchstick****universal cutter**

Velocity[®] Alpha
single-use sterile

N10 Ø 1.0 mm
N18 Ø 1.8 mm
N22 Ø 2.2 mm
N30 Ø 3.0 mm

**Neuro Matchstick Diamond****universal cutter**

Velocity[®] Alpha
single-use sterile

ND10 Ø 1.0 mm
ND18 Ø 1.8 mm
ND22 Ø 2.2 mm
ND30 Ø 3.0 mm

**Lindemann****universal cutter**

Velocity[®] Alpha
single-use sterile

L16-S Ø 1.65 x 10 mm
L16-M Ø 1.65 x 20 mm

**Drill****universal cutter**

Velocity[®] Alpha
single-use sterile

DR15 Ø 1.5 mm
DR20 Ø 2.0 mm
DR30 Ø 3.0 mm

**Pin****universal cutter**

Velocity[®] Alpha
single-use sterile

P10 Ø 1.0 mm

**Barrel / Trommel****universal cutter**

Velocity® Alpha
single-use sterile

BA65 Ø 6.5 mm

**Acorn / Tulpe****universal cutter**

Velocity® Alpha
single-use sterile

AC64 Ø 6.4 mm

**Metal Cutter****universal cutter**

Velocity® Alpha
single-use sterile

M30 Ø 3.0 mm

Velocity® Alpha craniotome cutters

**Diamond Disc****universal cutter**

Velocity® Alpha
single-use sterile

DD254 Ø 25.4 mm

**Craniotome****straight blade**

Velocity® Alpha
single-use sterile

- ✓ **CR-S** Ø 1.8 x 12.0 mm short
- ✓ **CR-M** Ø 1.8 x 15.0 mm medium
- CR-L** Ø 1.8 x 22.0 mm long

**Craniotome spiral****spiral blade**

Velocity® Alpha
single-use sterile

- CRS-S** Ø 1.8 x 12.0 mm short
- CRS-M** Ø 1.8 x 15.0 mm medium
- CRS-L** Ø 1.8 x 22.0 mm long

Cutter selection for minimally invasive telescoping nosepieces

**Matchstick**

Velocity® Alpha
single-use sterile

- 9-N15** Ø 1.5 mm fits VMN-TS1 and VMN-TA1
- 9-N20** Ø 2.0 mm fits VMN-TS1 and VMN-TA1
- 9-N25** Ø 2.5 mm fits VMN-TS1 and VMN-TA1
- 12-N15** Ø 1.5 mm fits VMN-TS2 and VMN-TA2
- 12-N20** Ø 2.0 mm fits VMN-TS2 and VMN-TA2
- 12-N25** Ø 2.5 mm fits VMN-TS2 and VMN-TA2
- 15-N25** Ø 2.5 mm fits VMN-TS3 and VMN-TA3
- 18-N25** Ø 2.5 mm fits VMN-TS4

**Neuro Matchstick Diamond**

Velocity® Alpha
single-use sterile

- 9-ND25** Ø 2.5 mm fits VMN-TS1 and VMN-TA1
- 9-ND30** Ø 3.0 mm fits VMN-TS1 and VMN-TA1
- 9-ND35** Ø 3.5 mm fits VMN-TS1 and VMN-TA1
- 9-ND45** Ø 4.5 mm fits VMN-TS1 and VMN-TA1
- 12-ND20** Ø 2.0 mm fits VMN-TS2 and VMN-TA2
- 12-ND25** Ø 2.5 mm fits VMN-TS2 and VMN-TA2
- 12-ND30** Ø 3.0 mm fits VMN-TS2 and VMN-TA2
- 12-ND35** Ø 3.5 mm fits VMN-TS2 and VMN-TA2
- 12-ND45** Ø 4.5 mm fits VMN-TS2 and VMN-TA2
- 15-ND30** Ø 3.0 mm fits VMN-TS3 and VMN-TA3
- 18-ND30** Ø 3.0 mm fits VMN-TS4

**Balltip / Kugel**

Velocity® Alpha
single-use sterile

- 12-B20** Ø 2.0 mm fits VMN-TS2 and VMN-TA2
- 15-B20** Ø 2.0 mm fits VMN-TS3 and VMN-TA3
- 15-B30** Ø 3.0 mm fits VMN-TS3 and VMN-TA3
- 15-B40** Ø 4.0 mm fits VMN-TS3 and VMN-TA3

**Diamond Ball**

Velocity® Alpha
single-use sterile

- 12-B20D** Ø 2.0 mm fits VMN-TS2 and VMN-TA2
- 12-B30D** Ø 3.0 mm fits VMN-TS2 and VMN-TA2
- 15-B30D** Ø 3.0 mm fits VMN-TS3 and VMN-TA3
- 15-B40D** Ø 4.0 mm fits VMN-TS3 and VMN-TA3

> Speed reducer



VMT-102E
1:64 ratio

> Irrigation tubing set & adapters



See page 15
for details

> High speed motor



VAM
80.000 rpm

> Cleaning adapter and oil



See page 14
for details

> Control unit



VAC220 or VAC110
control unit with irrigation

> Sterilization trays

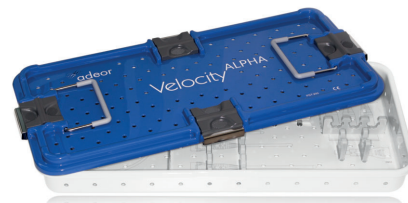


PST-201
stainless steel sterilization tray

> Foot controls



VAFCBT or VAFC
Wireless or wired



PST-200
PPSU sterilization tray

Velocity® Alpha System overview

> Straight attachments



> Duraguards and craniotome base



> Angled attachments



System Components

Velocity® Alpha system components

Electric control unit high speed / Trepan 220V version	VAC220	Craniotome base	VMN-C1
Electric control unit high speed / Trepan 110V version	VAC110	Duraguard fixed, short 12 mm	VMCH-1
Electric high speed motor, 80.000 rpm, integrated cable 3.5 m	VAM	Duraguard fixed, medium 15 mm	VMCH-2
Straight nosepiece short working length 22 mm	VMN-XS	Duraguard fixed, long 22 mm	VMCH-3
Straight nosepiece short working length 40 mm	VMN-S1	Duraguard rotatable, short 12 mm	VMCH-1R
Straight nosepiece medium working length 70 mm	VMN-S2	Duraguard rotatable, medium 15 mm	VMCH-2R
Straight nosepiece long working length 100 mm	VMN-S3	Duraguard rotatable, long 22 mm	VMCH-3R
Angled nosepiece short working length 40 mm	VMN-A1	Craniotome head	VMCH-D
Angled nosepiece medium working length 70 mm	VMN-A2	Trepan Hudson adapter, low speed, 1:64 ratio	VMT-102E
Angled nosepiece long working length 100 mm	VMN-A3	Foot control with integrated cable, 3 m	VAFC
Angled nosepiece XL working length 130 mm	VMN-A4	Wireless foot control incl. dongle	VAFCBT
Angled nosepiece XXL working length 170 mm	VMN-A5	Irrigation tube set, 6 pcs. sterile	VMM-ITS-6
Angled nosepiece XXXL working length 220 mm	VMN-A6	High speed oil spray, 12 x 500 ml	OS-100
Irrigation attachment working length 22 mm	VMN-IR-XS	Custom made oil spray nozzle adapter, screw-on profile, reusable	OA-100
Irrigation attachment working length 40 mm	VMN-IR-1	Transport & Storage Case suitable for air transport	TSC-VA
Irrigation attachment working length 70 mm	VMN-IR-2	Sterilization Tray plastic, customized	PST-200
Irrigation attachment working length 100 mm	VMN-IR-3	Sterilization Tray stainless steel, customized	PST-201
Irrigation attachment working length 130 mm	VMN-IR-4	Cleaning adapter for 4 nosepieces	CA100
Irrigation attachment working length 170 mm	VMN-IR-5	Extra thin attachments	
Irrigation attachment working length 220 mm	VMN-IR-6	Base unit for minimally invasive attachments	VMN-C2
Oscillating saw attachment	VMN-OS-1	Minimally invasive attachment, short, straight, working length 70 mm	VMN-TS1
Sagittal saw attachment	VMN-SS-1	Minimally invasive attachment, medium, straight, working length 100 mm	VMN-TS2
Reciprocating saw attachment	VMN-RS-1	Minimally invasive attachment, long, straight, working length 130 mm	VMN-TS3

Minimally invasive attachment, extra long, straight, working length 160 mm	VMN-TS4
Minimally invasive attachment, short, curved, working length 70 mm	VMN-TA1
Minimally invasive attachment, medium, curved, working length 100 mm	VMN-TA2
Minimally invasive attachment, long, curved, working length 130 mm	VMN-TA3

SPARE PARTS

Bar for footswitch	VMME-FS-H
Irrigation stand	VMM-EC-S
Irrigation tube clip set 5 pcs.	VMM-CLIPS

Technical Data / Technische Daten

Velocity® Alpha
EU Version
220 V

Supply voltage	220 - 240 V
Permitted voltage fluctuation	± 10 %
Nominal current	0.3 - 0.8 A
Frequency	50 - 60 Hz
Mains fuse	2 x 250 V - T 1.6 AH
Max. power consumption	170 VA
Max. mechanical output power	80 W
Torque level	2.2 ... 88 Ncm
Motor speed range	1.000 - 80.000 rpm
Irrigation flow rate	25/50/75/100 ml/min
Dimensions	262 x 291 x 99 mm
Wireless standard	Bluetooth™
Protection class	II
Applied part	Type B
Integrated irrigation pump	yes
Foot control / danger zone M / ANSI/AAMI	AP / IEC 60601-1
Water resistance of foot control / 1 m depth for 1 h	IPX8 / IEC 60529
Pollution level	2
Overvoltage category	II
Max. altitude / above sea level	3.000 m
Batteries used with VAFCBT wireless foot control	Standard AA Mignon
Compatible with thermo washing machines and autoclavable < 135°C / 383°F (motor parts)	yes
Noise level (motor only) acc. to ISO 11498	< 53 dBA



RIGHT AVENUE MEDTECH GLOBAL
“CONNECTING INNOVATION WITH HEALING”

Right Avenue MedTech Global (P) Ltd.

www.rightavenue.co.in

neurosales@rightavenue.co.in | +91 83101 04090 | +91 7411484448

1st Floor, Pine Platinum, L - 4 & L - 29, 2nd A Main Rd, above SBI Bank,
Sector 6, HSR Layout, Bengaluru, Karnataka 560102