

NEUROLINE
PRODUCT CATALOGUE
2022

About Us

EMD PROFILE

COMPANY HISTORY

Neurosurgery
NEUROSMART HIGH-SPEED MOTOR SYSTEM

18 Craniotomy
HANDPIECES
CUTTERS



24

#### **Attachments**

STANDARD HANDPIECES ANGLED HANDPIECES SLIM ATTACHMENTS

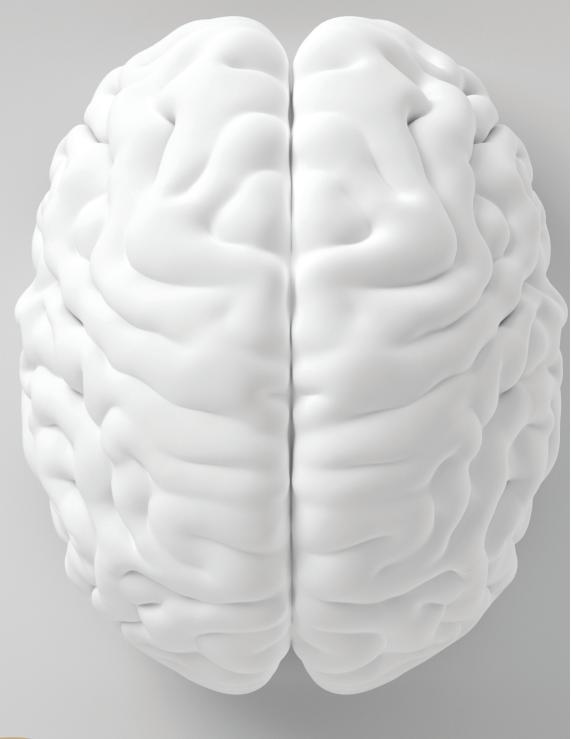
# 32 Cranial Perforation NEUROSMART PERFORATOR HANDPIECE

DISPOSABLE CRANIAL PERFORATORS REUSABLE CRANIAL PERFORATORS

Accessories
WASH-RINSE DEVICE

STORAGE CONTAINER SERVICE OILING SPRAY





#### Be Ahead Of The Curve With Our Latest Innovations

WE ARE FAMILY OF MOTIVATED INDIVIDUALS, DRIVEN BY OUR DESIRE TO MAKE INNOVATIVE, EXCELLENT QUALITY MEDICAL PRODUCTS AVAILABLE TO MODERN MEDICINE IN A SUSTAINABLE WAY.

At EMD we offer quality design, production and services, that enable medical professionals to perform advanced minimal invasive operations.

Our carefully accumulated knowledge and expertise enable us to create singular tools and devices that medical professionals can use sustainably. To offer our customers the best of the best, our products are manufactured with meticulous care from high quality materials.

We are dedicated and passionate in everything we do. Through our performance and solution driven mindset, we have the opportunity to make a difference. We are innovation and business oriented with a strong belief in daring to do things better.



#### From CEO



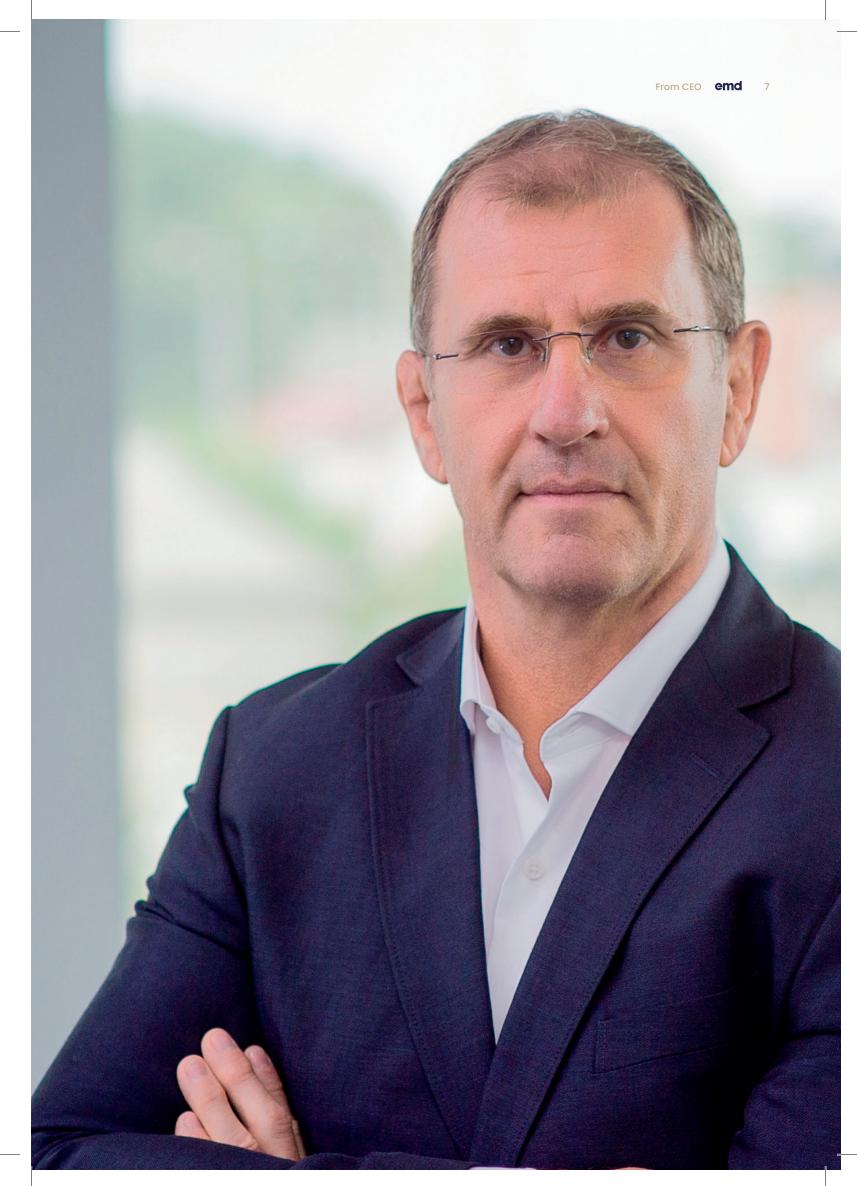
Everything we do is rooted in the belief that, together with our colleagues, teams and partners, we can create positive change to support modern medicine through our high-end products and services.

Each time before we embark on a new development, we have to make sure we possess the essential attributes that will fuel us to work for years to come for the very moment we first hold a new product in hand. These are: know-how, perseverance, proof and faith.

We've been working hard and have come a long way over the last 25 years. When EMD was founded in 1997, we were thinking about how we could design and manufacture minimal invasive medical devices. Since then, we've made such a progress as a team that today, however, we are thinking about how to become one of the best and most innovative companies in the industry.

We are proud of the progress we're making, and are ensuring that our expertise and comptenencies are essential elements of EMD's future that we will continue to embrace and grow.

Mr. Gyula Ujvari FOUNDER & CEO



1997	EMD is founded as a repair service provider.  Main activity is repair of endoscopic optics and endoscopic instruments.
2001	We launch our laparoscopic system being first own product development.
2005	EMD steps out of being a local supplier and starts export activities in various markets. EMD begins to develop and produce neurosurgery devices.
2012	EMD relocates to new headquarters with more on site facilities. Company profile continues to expand.
2017	The company obtains CE approval for own neurosurgical and laparoscopy development.
2021	Product portfolio is further increased by six additional EMD product group receiving CE mark.

#### **Our Vision**

We believe in leading not following. We turn fault into our virtue and trust our nevercompromising nature dictating our rhythm, which takes us to innovative ideas and exceptional product developments.

We are convinced that possibility is bigger than the fear of failure. That is why we dare to dream big and are not afraid to be challenged on the way to success. Our vision is to be industry leaders in medical device development and manufacture.

#### **Our Mission**

OUR MISSION IS TO SUPPORT MODERN MEDICINE BY OFFERING ADVANCED, FIRST-CLASS QUALITY MEDICAL DEVICES.

#### **Our Values**

We like to walk our talk and lead by example. Our values are part of who we are, what we stand for and how we act.

Our great colleagues make the difference. It's when we share our skills, knowledge and expertise, we become one team.

We encourage and help each other to achieve our goals, while always having our customers' and their patients' best interest in mind.

#### **Markets & Expansion**

EMD is expanding, with a focus on multi-channel sales. We treat and nurture long term partnerships and business growth as one of our top priorities. We offer advanced and unique medical tools for minimal invasive surgeries that want to give professionals unbeatable value with the best combination of innovation, quality, price and sustainability.

When it comes to expansion strategies and activities, we spare no time to find the most prosperable opportunities we are able to find out there, that not only benefit us, but our partners too. With the continuous product developments we have been making recently, we are enthusiastic to be on the path greatly expanding our existing presence on the market.

#### Research & Development

Our network of medical professionals, together with the global industry needs and challenges set new directions to our developments.

Through our product developments, our priority is to effectively support surgical procedures, which are still very difficult or can only be performed with conventional surgery, so that they could be carried out with as few and little incisions as possible. In the near future, we continue to focus on minimal invasive developments and present new products for spine, neuro,- and laparoscopic surgery.

#### **Innovative Solutions**

Innovative product developments enable us to find and implement new technologic solutions, which are not yet in practice.

At the birth of a new idea, we start exploring ways of execution and won't stop until we find the right technology that can be applied for best results. This way, we are inspired to never stand still, we find new discoveries and are able to create that was thought impossible.

# NEUROS

# **Professional Experience**

COMBINED WITH BRILLIANT IDEAS IN THE SERVICE OF NEUROSCIENCE.

NEUROSURGERY IS ABOUT PRECISION AND CAREFUL PLANNING.

WITH THE BEST OF OUR KNOWLEDGE AND EXPERIENCE, IN CLOSE CO-OPERATION WITH MOST RENOWNED NEUROSURGEONS, WE OFFER OWN DEVELOPED, PATENTED PRODUCTS IN THE FIELDS OF CRANIAL AND SPINE SURGERY.





DESIGNED AND DEVELOPED ESPECIALLY FOR CRANIAL AND SPINE SURGERY. THE NeuroSmark HIGH-SPEED MOTOR SYSTEM IS INTRODUCED AS TRUE FRONT-RUNNER OF ITS CATEGORY.

The intelligent, **emd**®-engineered **NeuroSmark** System recognizes whether a Trepan Adapter or

At the same time as the Trepan Adapter is connected by the user, the Control Unit automatically sets for its most optimal speed for **emd**<sup>®</sup>Cranial Perforators, preventing inappropriate speed starting. For maximum patient protection, speed drive is automatically optimized to ensure perforation starts at appropriate rpm. Therefore, with **NeuroSmart** High-Speed Motor System the risk of an accidental high speed start is completely avoided. When the adapter is disconnected, the control unit resets to

- OPTIMAL SPEED SETTINGS
- INTEGRATED IRRIGATION PUMP WITH 10-DEGREE ADJUSTMENT
- TOUCH SCREEN DISPLAY FOR EASY HANDLING AND CLEANING
- ONE-CLICK CONNECTION OF SYSTEM ELEMENTS

## TOUCH SCREEN FRONT PANEL

With its one-piece glass front panel, the **NeuroSmart** Control Unit was designed with medical hygiene and user practicality in mind. The touch screen display offers easy handling and all-inclusive cleaning options.

The user-friendly menu navigation is further supported by intelligent *High-Speed* and *Perforation* mode detection.





## AUTOMATIZED MODE SETUP

Connection and disconnection of the Trepan Adapter results in an immediate, automatized change of user modes and display functions.



# LIGHT/DARK APPEARANCE

The user has the possibility to switch between light and dark view modes at any point during procedure.



Screen brightness is easily adjustable according to the needs of operating environment.

## INTEGRATED IRRIGATION PUMP

During neurosurgical procedures, it is essential to ensure about proper cooling at surgical area. **NeuroSmart** Control Unit features integrated irrigation pump with variable flow control.



## SMART & SUPERB POWERED MOTOR

Highly cost-efficient, due to its high-excursion motor power, the **NeuroSmart** High-Speed Motor by itself manages to drive the entire range of **emd®**Handpiece attachments at appropriate speed.
Using One-Click Technology, the complete range of Hand,- and Nosepiece tools are easily connected to the motor by a single snapping movement.

Integrated *bend relief* to prevent cable torsion and increase protection of connection.



# CABLE CONNECTED FOOTSWITCH

The combined Footswitch pedal is used to start/stop motor operation, while using the push button, rinsing mode is turned on/off.

The footswitch construction complies with IPX8 standard and is therefore easy to clean and disinfect.

Pedal and push button positioning delivers comfort even during longer user times.



#### Standard Set Configuration



#### NSS-110

#### CONTROL UNIT

Power consumption: 300 VA
Power Supply: 110-240 VAC; 50-60 Hz
Irrigation capacity: 0-100ml/min.
Weight: 5kg
Device class: Ilb
Protection class: I



#### NSS-120

**HIGH SPEED MOTOR** with integrated cable 3m long connecting cable

Autoclavable Speed Range: 10.000-80.000 rpm Output power: 120W Device class: Ilb



#### NSS-130

DOUBLE FOOTSWITCH

4m long connecting cable

Device class: Ilb Standard IPX8



# CRANIC

#### WE BELIEVE THAT

# **Functionality And Design**

CREATE WORK OF ART.

EITHER WE ARE WORKING ON A NEW PRODUCT DEVELOPMENT OR WE ARE RETHINKING AN OLDER DESIGN, OUR TOP PRIORITY IS CREATING HIGH-END PRODUCTS THAT COMPLY WITH THE CHALLENGES OF THE TIME, BOTH IN TERMS OF FUNCTION AND USABILITY.



EACH **emd**® HANDPIECE COLLECTION IS MADE OF STAINLESS STEEL, GUARANTEEING LONG PRODUCT LIFE. WITH THE SLEEKEST DESIGN ON THE MARKET, A CLEAN SHAPE AND SURFACE MAKES OUR CRANIOTOME HANDPIECE ESPECIALLY EASY TO CLEAN AND HOLD. THE ERGONOMIC PEN-GRIP SOLUTION ALLOWS COMFORTABLE USE AND A STABLE GRIP DURING OPERATION.

The One-Click Technology provides easy connection of the Craniotome Handpieces by simply snapping it to the motor.

Both the inserted craniotome cutter and duraguard are simultaneously locked in position with rotary knob. For greatest safety, starting of the motor is not possible until rotary knob is locked.

For more user support, duraguards and craniotome blades are marked with size identifiers. Duraguards are available in fixed and rotary configurations.

The range also includes additional models for special application areas. Eg. special head for craniotomy nearby the sinus or duraguards with *increased head length* for laminotomy.





Illustration of **emd**<sup>®</sup>Craniotome Handpiece



Illustration of **emd**<sup>®</sup>Craniotome Handpiece with Craniotome Head





NSH-320

CRANIOTOME HEAD
Fix - Without Duraguard
Use with blades:
NLC-1T 3.5mm exposure

NLC-1ST 3.5mm exposure NLC-2T 5.5mm exposure NLC-2ST 5.5mm exposure

**(** 

NSH-331R

CRANIOTOME HEAD, L11 R Rotatable - Duraguard - Size 1 Use with blades: NLC-1T NLC-1ST



#### NSH-331

CRANIOTOME HEAD, L11 Fix - Duraguard - Size 1 Use with blades: NLC-1T NLC-1ST



NSH-332R

CRANIOTOME HEAD, L15 R Rotatable - Duraguard - Size 2 Use with blades: NLC-2T NLC-2ST



#### NSH-332

CRANIOTOME HEAD, L15 Fix - Duraguard - Size 2 Use with blades: NLC-2T NLC-2ST



#### NSH-333R

CRANIOTOME HEAD, L25 R Rotatable- Duraguard - Size 3 Use with blades: NLC-3T NLC-3ST



#### NSH-333

CRANIOTOME HEAD, L25 Fix - Duraguard - Size 3 Use with blades: NLC-3T NLC-3ST



#### NSH-334R

LAMINOTOME HEAD, L35 R Rotatable - Protection Guard (max. speed 40,000 rpm) Use with blades: NLC-4T NLC-4ST



#### NSH-334

LAMINOTOME HEAD, L35 Fix - Protection Guard (max. speed 40,000 rpm) Use with blades: NLC-4T NLC-4ST



\$0,000 RPM

emd Craniotome Handpieces are designed for both adult and pediatric surgery

emd\*OFFERS THREE FOOTED DURAGUARDS; ONE LAMINOTOME HEAD; ONE SPECIALTY HEAD FOR SINUS
QUICK AND EASY RELEASE CHUCK OF DURAGUARDS

PRECISELY DESIGNED EDGE CONSTRUCTIONS, DURABLE BLADES ARE THE MAIN FEATURES OF NEUROLINE CRANIOTOME CUTTERS.

AVAILABLE IN FOUR STANDARD LENGTHS TO FIT THE RIGHT SIZE DURAGUARD OR EVEN A SPECIAL CRANIOTOME HEAD.

THREE CUTTING BLADES DELIVER THE BEST PERFORMANCE BOTH FOR *STRAIGHT* AND *TWISED* MODELS.



CRANIOTOME CUTTER Straight with 3 cutting edge - Size 2 NSH-332 NSH-332R

NLC-IT

NSH-331

NSH-333R

NSH-334R

NLC-3T CRANIOTOME CUTTER Straight with 3 cutting edge - Size 3 NSH-333

NLC-4T CRANIOTOME CUTTER Straight with 3 cutting edge - Size 4 NSH-334



NLC-1ST

CRANIOTOME CUTTER Spiral with 3 cutting edge - Size 1 NSH-331 NSH-331R

NLC-2ST CRANIOTOME CUTTER

Spiral with 3 cutting edge - Size 2 NSH-332 NSH-332R

NLC-3ST

CRANIOTOME CUTTER Spiral with 3 cutting edge - Size 3 NSH-333 NSH-333R

NLC-4ST

CRANIOTOME CUTTER Spiral with 3 cutting edge - Size 4 Use with duraguard: NSH-334 NSH-334R

# ATTATC

#### WE BELIEVE THAT

# **Uncompromising Quality**

IS A MATTER OF HIGH EXPECTATIONS.

GUARANTEEING THE RELIABILITY OF AN **emd®** PRODUCT REQUIRES THE APPLICATION OF A MULTITUDE OF SKILLS. FROM THE PRECISE SELECTION OF RAW MATERIALS AND MACHINING TECHNOLOGIES TO THE COMPLEXITY OF PRODUCT CERTIFICATION, EVERY STEP IS TAKEN TO ENSURE THAT OUR QUALITY ITEMS MEET THE HIGHEST SAFETY STANDARDS FOR BOTH THE PATIENT AND THE SURGEON.





EACH **emd**® HANDPIECE COLLECTION IS MADE OF STAINLESS STEEL, GUARANTEEING A LONG PRODUCT LIFE. FEATURING A PURPOSEFULLY SLEEK DESIGN, THE CLEAN SHAPE AND SURFACE MAKES OUR STANDARD HANDPIECES ESPECIALLY EASY TO CLEAN. THE ERGONOMIC PEN-GRIP SOLUTION ALLOWS COMFORTABLE USE AND A STABLE GRIP DURING OPERATION.

The One-Click Technology provides easy connection of the Standard Handpieces by simply snapping it to the motor.

Both the inserted tool cutter and the handpiece are simultaneously locked in position with rotary knob. For greatest safety, starting of the motor is not possible until rotary knob is locked.

The special *Tool Grasping Technology* of attachments supports product selection and economic operation.







STANDARD STRAIGHT HANDPIECE Working length 20mm, ø 5.5mm



NSH-412

STANDARD STRAIGHT HANDPIECE Working length 45mm, ø 5.5mm



NSH-413

STANDARD STRAIGHT HANDPIECE Working length 70mm, ø 5.5mm



NSH-414

STANDARD STRAIGHT HANDPIECE Working length 95mm, ø 5.5mm



NSH-415

STANDARD STRAIGHT HANDPIECE Working length 120mm, ø 5.5mm



#### NSH-416

STANDARD STRAIGHT HANDPIECE Working length 170mm, ø 5.5mm



#### NSH-417

STANDARD STRAIGHT HANDPIECE Working length 220mm, ø 5.5mm

General **Features** 



**80,000 RPM** 



STANDARD HANDPIECES ARE COMPATIBLE WITH BURRS Ø 2,3MM

UNIFORM-SIZED ADJUSTABLE EXPOSURE TOOL IS COMPATIBLE WITH ALL HAND, - AND NOSEPIECES OF NeuroSmart FAMILY



#### **Burrs** With Benefits

USER-FRIENDLY AND COST-EFFICIENT HS TOOLS ARE AVAILABLE WITH THE MOST COMMONLY USED GEOMETRIES.

THANKS TO THE SPECIAL TOOL GRASPING TECHNOLOGY, ALL STANDARD AND ANGLED **emd**® NEUROLINE HANDPIECES ARE TO BE USED WITH UNIFORM-SIZED BURRS AND TOOLS.



#### ONE SIZE. MANY APPLICATIONS.



#### **EXPOSURE IN 8 POSITIONS**

Desired tool length is easily adjustable according to user preferences.







EACH **emd**® HANDPIECE COLLECTION IS MADE OF STAINLESS STEEL, GUARANTEEING A LONG PRODUCT LIFE.

FEATURING A PURPOSEFULLY SLEEK DESIGN,
THE CLEAN SHAPE AND SURFACE MAKES OUR
SLIM HANDPIECES ESPECIALLY EASY TO CLEAN.

THE ERGONOMIC PEN-GRIP SOLUTION ALLOWS COMFORTABLE USE AND A STABLE GRIP DURING OPERATION.

SEVERAL NEUROSURGICAL APPLICATIONS REQUIRE MORE PRECISE ACCESS TO THE OPERATING AREA.

SLIM ATTACHMENTS ARE DETACHABLE MODELS OF AN ANGLED HANDPIECE AND SMALL BORE NOSEPIECES.

SLIM ATTACHMENTS ARE MAINLY USED IN SPINE SURGERY APPLICATIONS. ALL HANDPIECE AND NOSEPIECE COMBINATIONS ARE WELL BALANCED WHICH IS A GREAT BENEFIT DURING LONGER OPERATIONS.





NSH-510 SLIM HANDPIECE Angled



NSH-521

LINEAR SLIM HEAD Working length 85mm, ø 4.7mm



#### NSH-522

LINEAR SLIM HEAD Working length 105mm, ø 4.7mm



#### NSH-523

LINEAR SLIM HEAD Working length 125mm, ø 4.7mm



#### NSH-531

CURVED SLIM HEAD Working length 85mm, ø 4.7mm



#### NSH-532

CURVED SLIM HEAD Working length 105mm, ø 4.7mm



CURVED SLIM HEAD Working length 125mm, ø 4.7mm

General **Features** 



\$\frac{1}{25,000 \text{ RPM}}\$

\$\ightarrow\$ SLIM NOSEPIECES ARE COMPATIBLE WITH BURRS \@ 1.0MM

# CRANIAL PE

#### **WE KNOW THAT**

# **Patient Safety**

STARTS AT ENGINEERING.

THE SKILL LEVEL OF A HIGH-SPEED MOTOR SYSTEM IS GIVEN BY THE VARIETY OF
ATTACHMENTS AND THEIR EXTENSIVE FUNCTIONALITY. THE MAIN PRINCIPLES OF OUR
CONSTRUCTION ARE SAFETY, ERGONOMICS AND SUSTAINABILITY.

# RFORATION

### EXPERIENCE THE DIFFERENCE A Handpiece Can Make.

WITH FULL STAINLESS STEEL FINISH, THE NEW GENERATION **emd**® PERFORATOR HANDPIECE TAKES CRANIAL PERFORATION TO THE NEXT LEVEL. A HIGHLY EFFICIENT YET EASY USE MADE POSSIBLE BY THE INTEGRATED *SMART TECHNOLOGY*.

The speed reducer features Automatic Trepan Mode recognition for the **NeuroSmart** Control Unit. Ergonomic handle for a comfortable, stable grip. Handpiece is available with Hudson end connection.

Thanks to the One-Click Connection, the Perforator Handpiece can be simply mounted on the motor. The perforator lock/release knob can be easily operated with the thumb.

The ergonomic handle is very comfortable to hold and its surface finish allows a secure grip.







Illustration of **emd**®Perforator Handpiece equipped with NeuroLine Single Use Cranial Perforator.



Illustration of **emd**®Perforator Handpiece equipped with NeuroLine Reusable Cranial Perforator.



#### NSH-210 PERFORATOR HANDPIECE





emd® PERFORATOR HANDPIECE ACCEPTS HUDSON END CONNECTION

TO BE USED WITH **NeuroSmart** HS MOTOR AND CRANIAL PERFORATORS FOR SKULLS 3.0MM AND 1.5MM THICK



emd® NEUROLINE CRANIAL PERFORATORS WERE DESIGNED AND DEVELOPED TO PROVIDE MAXIMUM PERFORMANCE WITH MAXIMUM PATIENT SAFETY. THE INTEGRATED THREE-LEVEL SAFETY TECHNOLOGY IS PATENT PROTECTED AND OFFERS EXCLUSIVE DRILLING EXPERIENCE FOR THE USER.

#### **EXCELLENT TIP CONTROL** TO AVOID SKIDDING

The start of perforation is a critical point, the guiding tip of the drill ensures keeping the perforator exactly on the operation point to avoid skidding on uneven surfaces as well



#### **HIGH PERFORMANCE &** CONSISTENT **DRILLING QUALITY**

Thanks to the specially developed edge design, the simultaneous movement of the drilling and cutting heads quarantees optimum results.



#### **RESTARTABLE AT ANYTIME**

The surgeon has the possibility to continuously supervise the perforation, as the device can be stopped and safely restarted anytime.



#### **BONE PAD FORMATION**

Cranial perforation is not a simple drilling, NeuroLine perforators form a bone pad at the end of the drilling process, which protects the dura.



# CRANIAL PERFORATION

#### **Product Versatility &** Compatibility

PRODUCT RANGE OF **emd**® NEUROLINE CRANIAL PERFORATORS GIVES A FREE CHOICE FOR THE CUSTOMER EITHER THEY PREFER SINGLE USE OR REUSABLE MODELS.

All our perforators are manufactured with universal Hudson end

Thanks to the standardized connection, compatibility is granted for the most commonly used medical high speed motordrill trepan adapters/speed reducers, which are equipped with standard Hudson chuck fitting.



# 90°



#### **IMPORTANCE OF CORRECT POSITIONING**

To ensure a safe and successful operation, maintaining the correct position (90°) of the perforator against the skull is crucial and must be remembered at all times when drilling is being performed.

#### **Explanation of Article Numbers** by Size



NLO-B/A-C

(eg. for disposable perforator for thin bone) NLM-11/14-3.0

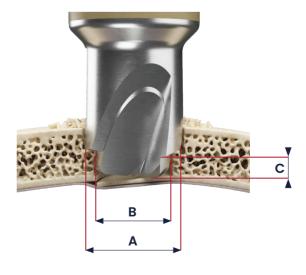
NLM-B/A-C

(eg. for reusable perforator for thick bone)

A: DIAMETER OF PERFORATOR EXTERNAL DRILL PART • DIAMETER OF UPPER PART OF HOLE

B: DIAMETER OF PERFORATOR INTERNAL DRILL PART • DIAMETER OF LOWER PART OF HOLE

C: MINIMUM THICKNESS OF SKULL BONE REQUIRED FOR OPERATION OF PERFORATOR (OVERHANG OF INTERNAL DRILL PART ON EXTERNAL DRILL PART)



WITH PATENTED TECHNOLOGY, DISPOSABLE CRANIAL PERFORATORS ARE FULLY DEVELOPED AND MANUFACTURED BY **emd**\*.

SAFETY BEING OUR TOP PRIORITY, SINGLE-USE PERFORATORS ARE EQUIPPED WITH THREE SAFETY SYSTEMS.

THE BUILT-IN SAFETY MECHANISM ALLOWS THE SAME PRESSURE TO BE APPLIED ON SOFTER AREAS AS WELL WITH SAME EFFICIENCY.









#### NLO-6/9-3.0

CRANIAL PERFORATOR, SINGLE USE Disposable



#### NLO-7/11-3.0

CRANIAL PERFORATOR, SINGLE USE



#### NLO-9/13-3.0

CRANIAL PERFORATOR, SINGLE USE Disposable



#### NLO-11/14-3.0

**CRANIAL PERFORATOR, SINGLE USE** Disposable

# FOR USE ON SKULLS MIN. 1.5MM THICK



#### NLO-6/9-1.5

CRANIAL PERFORATOR, SINGLE USE Disposable



#### NLO-7/11-1.5

CRANIAL PERFORATOR, SINGLE USE Disposable



#### NLO-9/13-1.5

CRANIAL PERFORATOR, SINGLE USE Disposable



#### NLO-11/14-1.5

CRANIAL PERFORATOR, SINGLE USE

OUR REUSABLE CRANIAL PERFORATORS WITH PATENTED TECHNOLOGY OFFER HIGHEST SAFETY FOR BOTH USER AND PATIENT.

WITH THE DEVELOPMENT OF THE REUSABLE PERFORATOR, WE AIMED TO CREATE SUCH A REUSABLE DEVICE THAT IS ENTIRELY CLEANABLE AND STERILIZABLE.

CONSISTING OF FOUR PARTS, PRODUCT ASSEMBLY AND DISASSEMBLY IS PARTICULARLY EASY. THE **emd®** REUSABLE CRANIAL PERFORATOR IS CURRENTLY THE ONLY CRANIAL PERFORATOR WITH SUCH PRODUCT FEATURES ON THE MARKET.

AVAILABLE WITH HUDSON CONNECTION.







#### NLM-6/9-3.0

CRANIAL PERFORATOR, REUSABLE Autoclavable



#### NLM-7/11-3.0

CRANIAL PERFORATOR, REUSABLE Autoclavable



#### NLM-11/14-3.0

CRANIAL PERFORATOR, REUSABLE



#### NLM-S2-6/9

HOLDER DEVICE Autoclavable NLM-6/9-3.0

#### NLM-S2-7/11

HOLDER DEVICE Autoclavable Use with perforator: NLM-7/11-3.0

#### NLM-S2-11/14

HOLDER DEVICE Autoclavable NLM-11/14-3.0

#### **REPROCESSING MADE EASIER**

NeuroLine Reusable Perforators are fully dismountable. To make the assembly and reprocessing easier, we developed a holder device for storage and sterilization.

Handling is made easy with the components' dedicated locations identified by pictograms. All cutting edges are protected, minimising the risk of damage to inserted parts.



# ACCOES

#### **WE KNOW THAT**

### Success Of An Operation

RELIES ON THE TEAM BEHIND.

THE LIFE EXPECTANCY OF A HIGH QUALITY MEDICAL DEVICE DEPENDS ON BOTH THE ACCURACY OF MANUFACTURING AND THE CARE TAKEN IN ITS OPERATION AND REPROCESSING.

AS MANUFACTURERS, WE STRIVE TO OFFER SOLUTIONS FOR MEDICAL PROFESSIONALS TO ENSURE EASE OF USE, STORAGE AND STERILISATION.

# SORIES

# The Importance Of Product Care

PROPER PRE-CLEANING IS ESSENTIAL TO PROVIDE EFFECTIVE STERILIZATION. THANKS TO OUR WASH-RINSE DEVICE ALL THE ATTACHMENTS ARE FULLY FLUSHABLE.

THE SYSTEM COMPONENTS CAN BE EASILY POSITIONED AND ITS USAGE ENSURES THAT THE INSIDE OF EACH COMPONENT IS PERFECTLY FREE OF CONTAMINATION.



stable position during the preprocessing.

We strongly recommend using a synthetic Oiling Spray dedicated for cleaning and lubrication, as well as following our product specific

instructions of use.



#### NSC-710

### WASH-RINSE DEVICE with cleaning connections for attachments Autoclavable



#### NSC-720

### OILING SPRAY 300ML Use for all handpieces

#### NSC-721

#### OILING SPRAY NOZZLE For NSC-720





#### NSC-730

## INSTRUMENT TRAY with lid and silicon holders Autoclavable For storage and sterilization

#### Notes

#### Notes

#### Notes