

Test drive the  $\pi$ drive today!

Get “hands-on” with our newest platform!  
To explore the Signature Portfolio:

- Visit [www.stryker.com/NSE](http://www.stryker.com/NSE)
- Call 800-253-3210
- Fax 800-999-3811

For more details about  $\pi$ drive motor technology, see the white paper  
 *$\pi$ drive Motor Technology: an Assessment of Technological Advantages*

\*Surgeon names and preferences are for demonstration purposes only  
to help depict the range of performance customization possible.

stryker®

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Neuro Spine ENT

# Signature

PORTFOLIO

Comprehensive. Customizable. Confidence.



NSE

# Working with you to deliver today's premier portfolio

**Comprehensive.** The Signature Portfolio marks the most comprehensive high speed drill launch in Stryker's 70 year history. It reflects years of collaboration with surgeons like you to create a vast array of refined motors, attachments and cutting accessories designed to fulfill the functionality and ergonomics you preferred. This input resulted in four new motors, four new attachment lines and more than 60 new cutting accessories. You choose the electric or pneumatic motor and attachments best suited to you, and we'll leverage additional customization options to fine tune a solution for you.

**Customizable.** Performance was noted as one of your top desires, and we delivered. The Signature Portfolio has an unmatched ability to customize the performance of your drill. There are multiple customization components including 30 meticulously crafted attachments and a vast array of cutting accessories to choose from. In addition, Stryker's I.D. Touch™ software on the CORE™ Console can be calibrated to how you want your electric drill to perform. There are select features and settings that allow you to make the electric or pneumatic drill your own; putting your personalized signature on its performance.

**Confidence.** Unparalleled options allow you to select the drill you want, dial in how you want your electric drill to feel, and store your preferences in the ancillary CORE Console power source. Once your selections are made you can be confident that your drill will perform the way you want it to — every time. Fashioned for the needs of cranial and spine surgeons, the system is equally adept at handling demanding and delicate procedures.

## πdrive Motor Technology

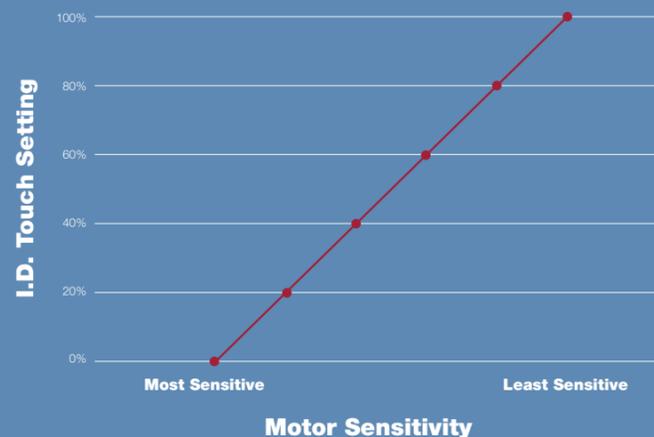


**Our patented industry-unique design, used in both the πdrive and πdrive+ motors, re-imagined the conventional motor by:**

- Replacing a nonfunctioning steel core with magnets in a “pie” configuration
- Fully encasing the core with flat wire winding as opposed to an open loop design
- Creating volumetric optimization by reconfiguring internal components in ways that enhance performance, optimize space and limit housing size
- Allowing you to customize how the drill responds and feels via I.D. Touch software within Stryker's CORE Console

## Stryker I.D. Touch™ software: A difference you can feel

A surgeon's “touch” is one of his/her greatest assets, and our industry-exclusive I.D. Touch software aims to support this. Within the CORE Console power source, I.D. Touch software enables you to adjust torque from 0-100% to customize how your electric drill responds when pressure is applied during use — from low to high sensitivity — redefining performance to your liking. Your NSE sales representative can guide you through the options, and save the performance and feel that's right for you in user preferences.



The console's ability to regulate sensitivity of the motor while in use

*Dr. Schabel*

### Custom Preferences¹

- πdrive
- Torque 100%
- Speed 75K RPMs
- Irrigation rate 50%
- Brake 35%

## Customization beyond compare

Everyone claims to offer a highly customizable drill platform, but we deliver on it. As shown, options for personal preferences are engineered into multiple features, giving you unparalleled ability to control and customize your system.

Your system. Your choice.	Signature Portfolio	Midas Rex®	Anspach®
Ability to create and store user profiles	•		
Unlimited user profiles	•		
I.D. Touch software	•		
Adjustable irrigation flow	•	•	•
Customizable foot pedal buttons	•		
Adjustable brake settings	•		
Adjustable acceleration settings	•		
Telescoping cutting accessories; each offering up to 5 choices in reach and shaft exposure	•		
Largest breadth of portfolio options	•		
Detachable electric handswitch options	•		•
3 Electric foot pedal options	•		
4 Pneumatic foot pedal options	•		

# Breadth and depth of the Signature Portfolio

Signature Portfolio brings you nearly 100 new components – reengineered and restyled for optimal power, functionality, ergonomics and maneuverability. This creates unsurpassed ability to customize your signature style and enhanced confidence in the performance of your drill. Crafted with quality materials and exquisite attention to detail and ergonomics, we're confident that Signature Portfolio high speed drills will meet your needs.

- 63 new cutting accessories
- 30 new attachments
- 4 new motors; two electric (πdrive) and two pneumatic (Maestro Air)

## The right touch

- Industry's largest single portfolio launch; vast selection of motors, attachments and cutting accessories
- I.D. Touch software customizes how the electric drill responds; giving you the performance and feel you want
- Exclusive 2Flute cutting accessory for 25% chatter reduction
- Unparalleled user customization
- Design refinements for improved balance in hand
- Tapered, concave tip for line of sight
- Knurling for better grip and more options for positioning your hand

## Performance and power

### πdrive

- Long run time with low heat generation
- Electric motor with speeds up to 75K RPMs
- Patented πdrive Technology

### πdrive+

- Added 60% boost in power to get the job done quickly
- 242% more torque at max speed of 75K RPMs
- Patented πdrive Technology

### Maestro Air

- Pneumatic motor rated up to 150 psi
- 20% more torque than previous model
- 25% more power in watts
- Speeds up to 75K RPMs

## Efficiency and ease of use

- Multi-notch (up to 10mm) telescoping cutting accessories can consolidate inventory items up to 5:1
- Consistency in intuitive assembly/disassembly simplifies use and training
- Color-coded accessory packaging aligns with color-coded attachments to facilitate selection and connection of compatible components; color withstands cleansers and autoclaving
- Alignment dots guide connection of attachments to motor
- Tactile bump indicates direction footed attachments are facing
- Matching part numbers on routers and footed attachments enable instant pairing on the surgical field
- Connects to the Stryker CORE Console which powers multiple instruments simultaneously and uniquely allows you to store your preferred settings



Multi-notch Elite telescoping cutting accessory



Elite



HD



Footed



Minimally Invasive Surgery (MIS)

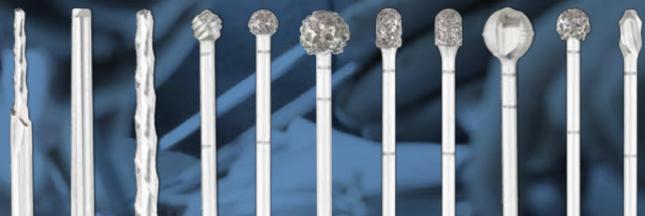
# Uniquely Stryker



## Attachments and cutting accessories: The most extensive selection on the market today

The Signature Portfolio includes four families of 30 attachments, newly designed for optimal balance, grip and comfort. In addition, there are more than 60 new cutting accessories to handle your craniotomies, bone drilling and reaming as well as preparation for screw placement, pins and other fixation devices. We introduced color coding so compatible attachments and cutting accessories are instantly recognizable. Stryker's existing Elite Series telescoping cutting accessories are also compatible with Signature Portfolio components, providing a wealth of instruments to help fulfill your every need.

**Signature Portfolio cutting accessories include more than 60 new options in various shank sizes, diameters and styles including routers, rounds, match heads and diamond surfaces.**



### Signature Portfolio

## Standardized equipment and support

### The CORE™ Console Powered Instrument Driver

The Consolidated OR Equipment (CORE) Console is home to our industry-exclusive I.D. Touch software which enables an unlimited number of users to save their personal preferences, including the response level and tactile feel they want out of their Signature Portfolio electric drill.

The CORE Console can also serve as the central operating system of your OR. It powers a variety of motors and instruments across any number of surgical specialties, eliminating the need for multiple power sources.

- Robust user customization software
- Connectivity of up to three motors and two foot pedals; runs two motors simultaneously
- Also powers the Stryker Bone Mill
- Fully-adjustable irrigation with enhanced flow-rate control and auto-prime
- User pre-sets for quick retrieval of preference settings
- Intuitive touch screen interface using color, icons and visual prompts
- On screen Help
- Easy set up for OR staff
- Optional accessory cart to carry console, inventory and footswitches



## NISE Neuro Spine ENT

We're laser focused on Neuro, Spine and ENT. Our instruments, technology, education and support are all tailored to your specialties to fulfill your unique needs and help make a positive difference in your day and outcomes.

- High Speed Drills (electric and pneumatic)
- Attachments and cutting accessories
- Sonopet® Ultrasonic Aspirator
- Bone Mill
- SilverGlide® Bipolar Forceps
- Microdebrider
- NasoPore® Bioresorbable Nasal Dressings
- HemoPore® Hemostatic Bioresorbable Nasal Dressing
- OtoPore® Bioresorbable Ear Dressings
- Surgeon headlamps and other accessories in support of NSE specialties

