

Signature Portfolio

The high speed
drill platform
of choice



Confidence

built around you

We're ready to help you perfect your Signature. For a hands-on product demonstration or to learn how you can customise your Signature Portfolio, contact your Neurosurgical sales representative to learn more about our exclusive π drive motor technology, ask your Neurosurgical sales representative about the white paper, " π drive Motor Technology: an Assessment of Technological Advantages."



Dr. Schabel
Custom preferences¹

π drive
Torque 100%
Speed 75K RPMs
Irrigation rate 50%
Brake 35%

Signature Portfolio

Create a **Signature performance**

Comprehensive collection

We understand—more than anyone—the importance of having all the right tools in the O.R. Giving you access to high performing and customisable options that provide the depth and breadth you need was the reason we created the most comprehensive drill platform in our storied company history. Our Signature Portfolio reflects years of collaboration with surgeons like you to create a broad collection of refined motors, attachments and cutting accessories all designed to give you the functionality and ergonomics you asked for.

Completely customisable

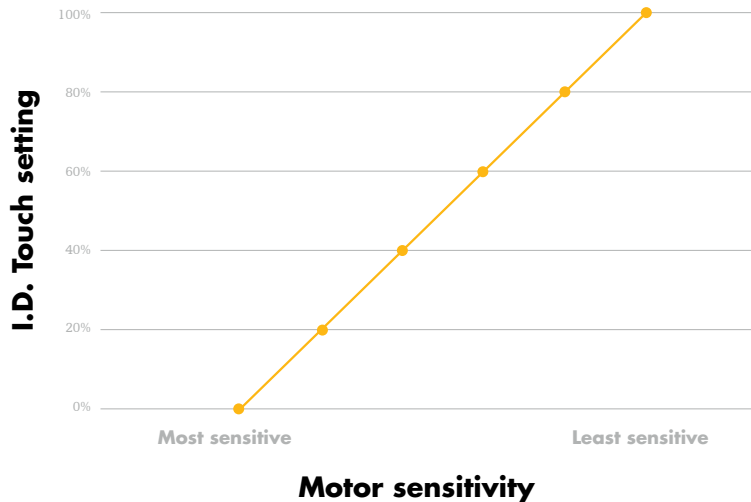
Just as no two patients are alike, we realise that no two surgeons will operate the same. That's precisely why we engineered the Signature Portfolio with the unmatched ability to customise the performance of your drill with your preferred combination of components. With 33 meticulously crafted attachments, the industry's largest selection of cutting accessories and our exclusive I.D. Touch Software on the CORE 2 Console, you're empowered with the ability to calibrate your exact electric drill preferences.

Consistency and confidence

Reproducible results are something we all aim for in the O.R. By fine-tuning your drill settings to your liking, you can expect nothing less than a consistent and tailored performance that's built around you. Your CORE 2 not only stores your unique settings but provides you with the ability to transfer them to another CORE 2 Console via a portable USB drive. It's just one more way to ensure your drill will perform on demand whether you're operating from room to room or from a demanding to delicate procedure.

I.D. Touch Software: Define your style

When used with either the π drive or π drive+ motors, your cutting accessories can be optimised even further using I.D. Touch Software on the CORE 2 Console instrument driver. This industry exclusive software enables you to adjust torque from 0-100% to customise 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

Customisation beyond compare

Everyone claims to offer a highly customisable 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 customise your system.

Your system. Your choice.	Signature Portfolio
Ability to create and store user profiles	•
Unlimited user profiles	•
I.D. Touch Software	•
Adjustable irrigation flow	•
Customisable 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	•
4 foot pedal options	•
4 Pneumatic foot pedal options	•

π drive Motor Technology



We retooled and reconfigured the conventional motor with a patented industry-unique design, used in both the π drive and π drive+ motors 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 optimisation through reconfiguring internal components to enhance performance, optimise space and limit housing size
- Allowing you to customise how the drill responds and feels via I.D. Touch Software within the CORE 2 Console

Breadth and **depth**

Signature Portfolio offers over 100 components to give you optimal power, functionality, ergonomics and maneuverability. This creates an unsurpassed ability to customise 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 exceed your needs.

- **65 cutting accessories**
- **33 attachments**
- **2 motors; two electric (π drive)**

Touch and feel

- The industry's most comprehensive drill platform; vast selection of motors, attachments and cutting accessories
- I.D. Touch Software customises how the electric drill responds; giving you the performance and feel you want
- Exclusive 2Flute cutting accessory for 25% chatter reduction²
- Unparalleled user customisation
- 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

π drive

- Long run time with low heat generation
- Electric motor with speeds up to 75K RPMs
- Patented π drive technology

π drive+

- Added 60% boost in power to get the job done quickly (compared to the π drive)
- 242% more torque at max speed of 75K RPMs (compared to the π drive)
- The same patented π drive technology

Irrigation Sleeves

Deliver precise irrigation by simply sliding over your MIS (13cm or 16cm) or Elite (7cm or 12-20cm) attachment for a total drill solution.

Low profile with ergonomic design facilitates site access and visibility – sterile, disposable and compatible with CORE Console disposable irrigation cassettes



Optional motor extender for enhanced grip options and ergonomics



Detachable handswitch available for π drive+ motor

Attachments



Elite

HD

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 the direction footed attachments are facing
- Matching part numbers on routers and footed attachments enable instant pairing in the surgical field
- Connects to our CORE 2 Console which powers multiple instruments simultaneously and uniquely allows you to store your preferred settings



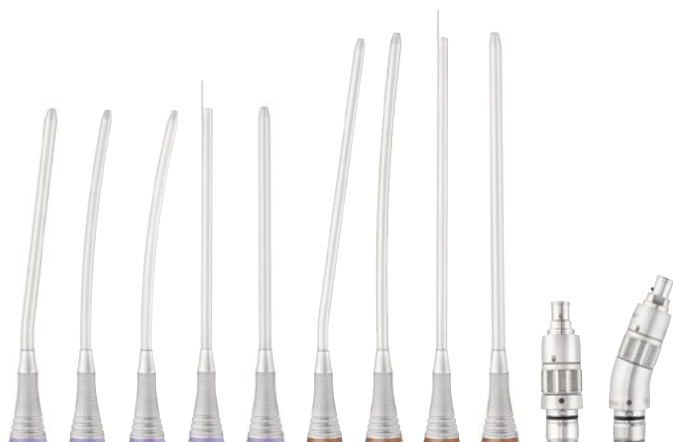
Low-friction coating helps to reduce friction and the collection of debris

Exclusive π drive motor; highly tunable so you can fine tune how the drill responds and feels

Alignment dots and Snap-Connect for easy and consistent assembly/disassembly



Footed



Minimally Invasive Surgery (MIS)



Cutting Accessories

Vast and versatile variations

Our expansive selection of cutting accessories were thoughtfully engineered to handle your craniotomies, bone drilling and reaming as well as preparation for screw placement, pins and other fixation devices. Snap-Connect color coding pairs compatible attachments and cutting accessories to make them instantly recognisable. Combined with the compatibility of our Elite Series of telescoping cutting accessories, you'll have access to a wealth of instruments to help fulfill your every need.

With more than 65 cutting accessories available in various shank sizes, diameters and styles including routers, rounds, match heads and diamond surfaces, you'll welcome the depth and breadth of performance and versatility.

Elite LX

Our new addition of nearly 40 Elite cutting accessories features a range of styles that include carbide burs to reduce chatter by greater than 30% helping neuro, spine and ENT surgeons achieve the exact functionality they need.³



Customisation at the core

The Consolidated Operating Room Equipment (CORE) 2 Console provides a convenient, single control center for a multitude of powered instruments. Here's a look at the many capabilities and benefits it brings to you and your instruments.

- 100+ user profiles that can be stored and transferred to other CORE 2 Consoles via USB drive
- Adjustable acceleration and braking
- I.D. Touch Software for tailored torque, tactile feel and drill precision/performance
- Adjustable irrigation flow rate
- Four foot pedal choices, each with customisable buttons to set desired functions
- Largest breadth of compatible products in our portfolio



CORE FS

The CORE footswitch provides easy access to power with an ergonomic design to make it accessible from any angle whether sitting or standing.

A class of its own

Drill and instrument portfolios are only as good as their driver, and ours stands apart from the crowd. Engineered with all the bells and whistles, it empowers your instruments – and you – with added capability and benefits. These value-added features, combined with power and reliability, are why 30,000 CORE Console units are trusted worldwide.

	CORE 2 Console ⁴
Universal console for use across specialties (capital ROI)	•
Average cost	•
Breadth of compatible instrument portfolios	•
Colored illumination rings indicating matched hand/foot switches	•
Capable of running two drills simultaneously	•

1. Surgeon names and preferences are for demonstration purposes only to help depict the range of performance and customisations possible.
2. Stryker internal data on file, test number S1610.110019. Kalamazoo, Michigan. March, 2011.
3. Stryker internal data on file, test number S12265.161839. Kalamazoo, Michigan. November 2016
4. Competitive data reflects information accessed via marketing materials, IFUs and company websites as of May, 2017.

Neurosurgical

This document is intended solely for the use of healthcare professionals. A surgeon must always rely on his or her own professional clinical judgment when deciding whether to use a particular product when treating a particular patient. We do not dispense medical advice and recommend that surgeons be trained in the use of any particular product before using it in surgery.

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