Signature Portfolio

The high speed drill platform of choice
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 customizable 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 customizable
Just as no two patients are alike, we realize that no two surgeons will operate the same. That’s precisely why we engineered the Signature Portfolio with the unmatched ability to customize 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 πdrive or πdrive+ motors, your cutting accessories can be optimized 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 customize how your electric drill responds when pressure is applied during use — from low to high sensitivity — redefining performance to your liking. Your NSK sales representative can guide you through the options and save the performance and feel that’s right for you in user preferences.

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

Your system. Your choice. Signature Portfolio

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
4 foot pedal options
4 Pneumatic foot pedal options

Midas

Rex Anspach

Ability to create and store user profiles
•
•
Adjustable irrigation flow
Customizable foot pedal buttons
Adjustable brake settings
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Signature Portfolio offers over 100 components to give you optimal power, functionality, ergonomics and maneuverability. This creates an unprecedented ability to customize your experience. Whether you’re an experienced user or just starting out, Signature Portfolio puts you in the performance of your drill. Crafted with quality materials and exquisite attention to detail and engineering, we’re confident that Signature Portfolio high-speed drills will exceed your needs.

• 65 cutting accessories
• 33 attachments
• 4 motors; two electric (πdrive) and two pneumatic (Maestro Air)

Performance and power

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<thead>
<tr>
<th>Feature</th>
<th>Description</th>
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<tbody>
<tr>
<td>Electric Motor with speeds up to 75K RPMs</td>
<td></td>
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<tr>
<td>Patented πdrive technology</td>
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Maestro Air

<table>
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<tr>
<th>Feature</th>
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<tbody>
<tr>
<td>Pneumatic motor rated up to 150 psi</td>
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<tr>
<td>20% more torque than previous model</td>
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<tr>
<td>20% more power in watts</td>
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<tr>
<td>Speeds up to 75K RPMs</td>
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Efficiency and ease of use

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<tr>
<td>Alignable cut-off nozzle for connections to each other</td>
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<td>Patented πdrive technology</td>
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Detachable handswitch available for πdrive+ motor

Optional motor extender for enhanced grip options and ergonomics

Attachments

- ELU
- HD
- Footed
- Minimally Invasive Surgery (MIS)

NEW! Irrigation Sleeves

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

Dr. Lin

Custom preferences!

Maestro Air

- Universal foot pedal
- 150 psi
- Irrigation rate 25%

Features on today’s Maestro Air have been elevated to a new level, reflecting our relentless pursuit of improved quality, performance and customer satisfaction.

Attachable handswitch helps to reduce torque on connections to each other

Certificate round base, hand-painted multi-fluke design

Improved control of base, increasing handpiece freedom of movement

Lighter, more flexible hose with low-friction coating to reduce catching on surgical fabric or drapes, or collection of dust and debris

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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 recognizable. 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.

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.

Cutting Accessories

Vast and versatile variations

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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 feature a range of styles that include carbide burrs to reduce chatter by greater than 30% helping assure quiet and SWT surgeons achieve the exact functionality they need.

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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.

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Customization 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 saved and transferred to other CORE 2 Consoles via USB drive
• Adjustable acceleration and braking
• U.S. Foot switch for tailored function and feel
• Adjustable irrigation flow rate
• Four foot pedal choices, each with customizable function 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.

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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 customize your Signature Portfolio, contact your neurosurgeon equipment representative or visit neurosurgery.stryker.com. To learn more about our exclusive πdrive motor technology, ask your neurosurgeon equipment representative about the white paper, “πdrive Motor Technology: an Assessment of Technological Advantages.”
1. Surgeon names and preferences are for demonstration purposes only to help depict the range of performance and customizations possible.


Neurosurgical

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