

stryker



Signature Portfolio

**πdrive**  
Motor Technology

# Raising the bar for electric motor function

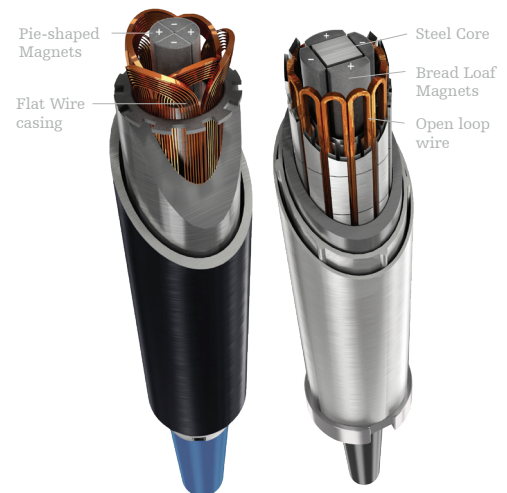
## Industry-exclusive $\pi$ drive Technology

Along with the  $\pi$ drive electric motor, there are nearly 100 meticulously-crafted attachments and cutting accessories to choose from. Additionally, with our exclusive I.D. Touch Software on the CORE 2 Console, you can calibrate how you want your electric drill to feel and perform. Select features and settings allow you to make it your own; putting your personalised signature on its performance.

Literally at the core is our patented  $\pi$ drive design, a re-imagined motor that creates volumetric optimisation by reconfiguring internal components. The  $\pi$ drive design replaces the nonfunctioning steel core in conventional motors with magnets in a “pie” configuration. This allows optimisation of the space, while reducing overall housing size versus conventional motor designs. Similarly, traditional round wiring looped around the core is exchanged for flat wiring that completely encases it, generating a motor design that can run long and stay cool.

$\pi$ drive  
 $\pi$ drive+  
Motor

Conventional  
Electric Motor

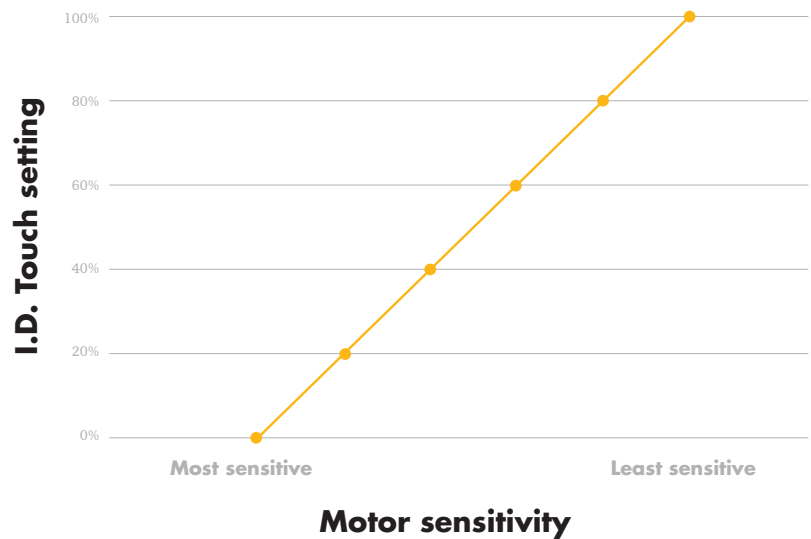


### Dr. Shoemaker Custom preferences<sup>1</sup>

$\pi$ drive  
Torque 70%  
Speed 75K RPMs  
Irrigation rate 14%  
Acceleration 95%

# 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 2 Console power source, I.D. Touch 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 Neurosurgical sales representative can guide you through the options, and save the performance and feel that's right for you in user preferences.



**I.D. Touch Software provides a wide range of settings that will allow you to customise how your drill responds and feels. Once saved as a user preference, your drill will perform the way you want – every time.**

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

## CORE 2 Console: customisation at the core

- Ability to create and store 100+ user profiles which can be transferred to other CORE 2 Consoles via USB drive
- Adjustable acceleration and braking
- Adjustable irrigation flow rate
- Four foot pedal choices, each with customisable buttons to set desired functions

**Exclusive  $\pi$ drive motor is highly tunable, allowing you to fine tune how you want the drill to feel**



75K RPM electric motor

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

Compatible with the industry's most comprehensive array of attachments and cutting accessories

Colour coding instantly identifies matching attachments and cutting accessories

Lighter overall system and added cord flexibility for greater maneuverability

## Test drive the $\pi$ drive today

Get “hands-on” with  $\pi$ drive high speed drill platform! To explore the Signature Portfolio, including our broad array of compatible attachments and cutting accessories, contact your **Stryker Sales Representative**.

### Ordering information

Part number	Description
5407-100-000	$\pi$ drive Motor

1. Surgeon names and preferences are for demonstration purposes only to help depict the range of performance and customisations possible.

## 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.

The information presented is intended to demonstrate Stryker’s products. A surgeon must always refer to the package insert, product label and/or instructions for use, including the instructions for cleaning and sterilisation (if applicable), before using any of Stryker’s products. Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your representative if you have questions about the availability of Stryker’s products in your area.

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