

# Navigation solution **NAV3i**

Combined with our navigation software system, the NAV3i platform allows navigation with 2D or 3D imagery.



## Technical features

**Our NAV3i system is a technical solution which, with a 2D or 3D acquisition, a patient tracker, an instrument tracker and a camera makes it possible to precisely communicate the location of the instrumentation used during surgery.**

Proprietary navigation camera equipped with active technology

Navigation camera arm with large range of motion is designed to make it easy to accommodate various procedures and approaches

32" HD surgeon monitor

Touch screen

Built-in LiveCam easily positions for the navigation camera and smart instruments

Industrial PC with USB, CD, DIV, PACS and HDMI outputs

Small footprint (97x75x190)

Uninterruptible power supply (maximum six minutes)



# Navigated instrumentation

## nGenius Universal Tracker

The nGenius Universal Tracker is designed to provide an infrared link between the tools or the patient and the camera of the Navigation platform through its built-in LEDs.

## Tool tracker adapters

The **Rotational Navigation Adapter** allows the surgeon to navigate different tools by holding the trackers facing the camera when rotation is applied to the tool.

**NavLock** allows a Tracker to be mounted on conventional surgical instruments\* to adapt them for navigation with the NAV3i Navigation System.

## Pre-calibrated tools

Some navigated instruments such as the pointer, awl or pedicle feeler have integrated trackers to facilitate their calibration.

## SpineMask Tracker

With its exclusive technology, this patient tracker is non-invasive and allows a fast registration through the LED system. This tracker is compatible with a wide variety of imaging devices.



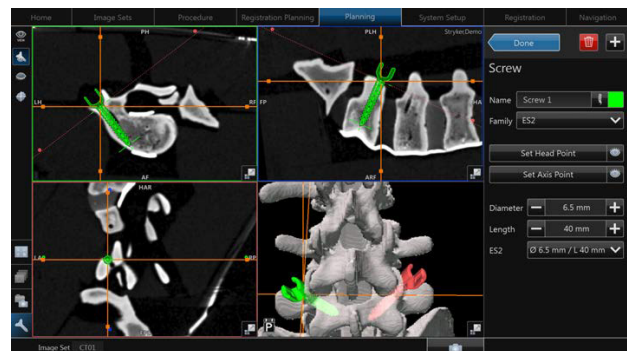
\*Conventional instruments need to be CE-marked, regulatory cleared and approved.

# Navigation software

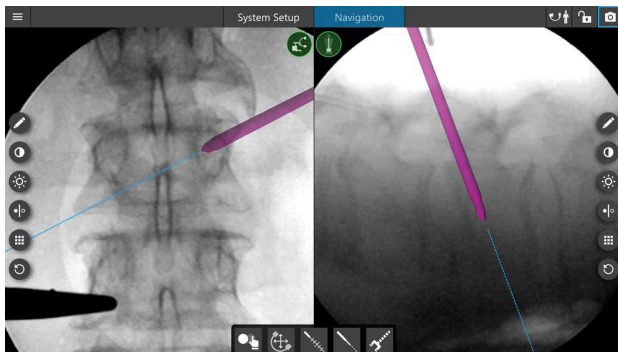
With the NAV3i navigation platform, spine and cranial modules can be executed. Modules for hip and knee are also available.

## SpineMap 3D

3D navigation solution for planning and guiding pedicle screw placement during open or minimally invasive surgeries using 3D imaging and navigated instrumentation.



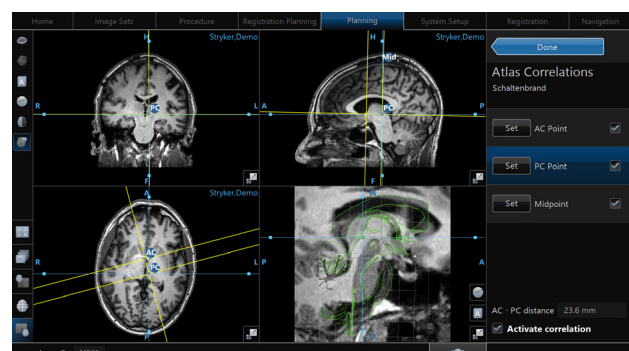
## SpineMap Go



Using just one C-arm, SpineMap Go for image-guided spinal surgery combines traditional fluoroscopic views with live, navigated instrumentation. With the C-Arm tracker, SpineMap Go can help you to reduce localisation shots and associated radiation exposure.

## CranialMap

Navigation solution for planning and intraoperative guidance to enable open or percutaneous computer-assisted surgery.



## Imaging system

### 2D Navigation

**SpineMap Go software is designed to navigate traditional fluoroscopic views with a tracker and C-Arm adapter.**

#### Fluoroscopy Tracker Adapters

|              |  |
|--------------|--|
| 6004-011-020 | Fluoroscopy Adapter Philips BV300, 9"    |
| 6004-012-020 | Adapter Ring OEC, 9"                     |
| 6004-013-020 | Fluoroscopy Adapter Ziehm Exposcop, 9"   |
| 6004-014-020 | Fluoroscopy Adapter Siemens ISO-C, 9"    |
| 6004-016-020 | Fluoroscopy Adapter Philips BV300, 12"   |
| 6004-017-020 | Fluoroscopy Adapter OEC, 12"             |
| 6004-400-020 | Fluoroscopy 3D-Adapter Siemens Iso-C, 9" |

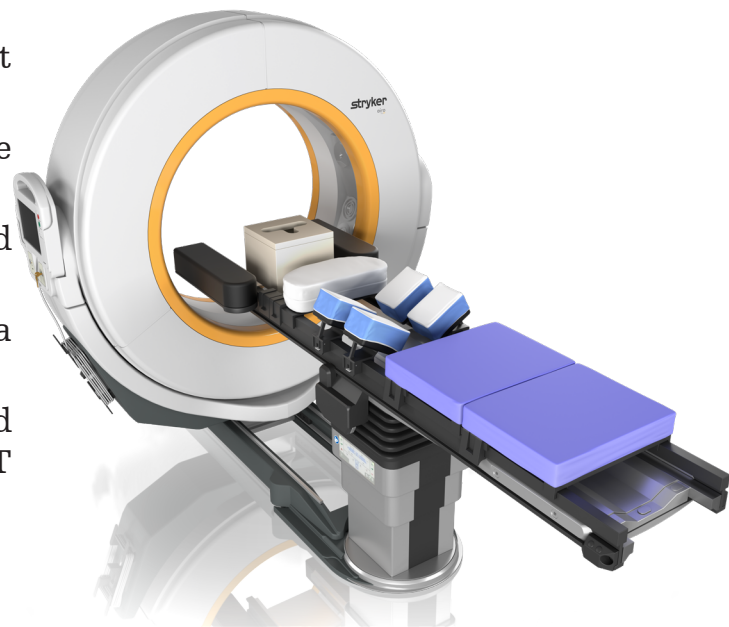
### 3D Navigation

**With our SpineMap 3D software and views acquired by Siemens or Ziehm 3D C-Arm or a CT scan acquired by a scanner, it is possible to navigate spine surgeries.**

#### Airo TruCT - 32 slice scanner

Airo TruCT offers diagnostic quality imaging (32 slices) with high mobility.

- 51.2cm field of view and 1m scan range provides complete visualisation of the torso in a single helical scan
- Offers access to the patient with largest bore available (107cm)
- Easily fits through standard size doorways
- Weight compatible with standard hospital elevator systems (975kg)
- Motorised with forward facing camera to guide Airo into position
- Custom protocols offer tailorability and tunability for both helical and axial CT scan acquisition techniques



# NAV3i Platform

For more information on the NAV3i platform, call your local sales representative.

| Product number               | Description          |
|------------------------------|----------------------|
| <b>Platform and software</b> |                      |
| 7700-800-000                 | NAV3i Platform       |
| 6002-680-000                 | SpineMap 3D Software |
| 6002-690-000                 | SpineMap Go Software |
| 6000-660-000                 | CranialMap Software  |

## Instruments, accessories and adapters

Please call your local sales representative for a full list of navigation instruments, accessories and adapters.

## Notes

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## Advanced Guidance Technologies

This document is intended solely for the use of healthcare professionals.

A healthcare professional must always rely on his or her own professional clinical judgment when deciding whether to use a particular product when treating a particular patient. Stryker does not dispense medical advice and recommends that healthcare professionals be trained in the use of any particular product before using it in surgery.

The information presented is intended to demonstrate the breadth of Stryker product offerings. A healthcare professional must always refer to the package insert, product label and/or instructions for use before using any Stryker product.

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Airo is a registered trademark of Brainlab Ag.

The products depicted are CE marked in accordance with applicable EU Regulations and Directives.