



**CORTEX**

THE IMPLANTED MARKER COMPANY

A marker for **every** imaging modality & disease site.



# ABOUT US

The engineering team at **Cortex** has been developing radiotherapy-specific medical devices for well over 20 years, pioneering implanted fiducial localization and helping treatment facilities achieve superior levels of accuracy. Our patented mixed-media markers enable clinicians to visualize our fiducials in any imaging modality.

## The Implanted Marker Company

We are dedicated to ensuring that our clinical partners can visualize our markers in any imaging modality.

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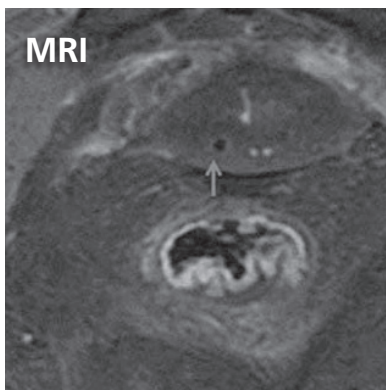
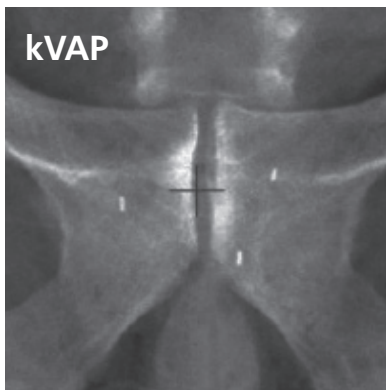
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## Disease Site Icons





*Polymark*



# Polymark

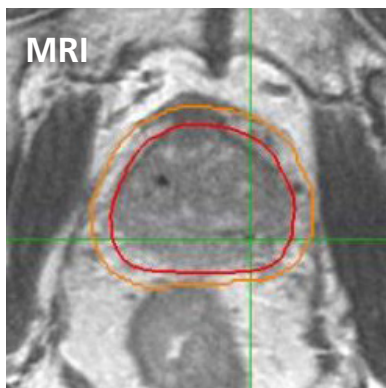
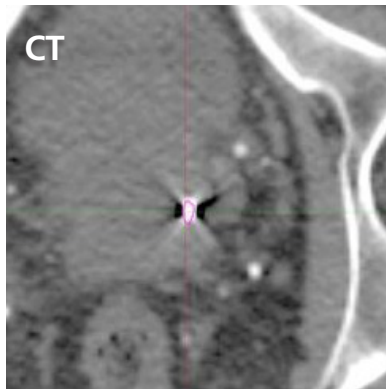
The **Polymark** is composed of a proprietary, low density polymer with a stainless steel filament core. This mixed-media construction minimizes artifact, is visible in kV, MRI, CBCT and ultrasound, and is ideal for both photon and proton-based treatments.

<b>PM-1.0-3-18-20</b>	<b>PolyMark 1.0 MM x 3 MM Polymer Marker in an 18 GA-20 CM Needle</b>
PM-1.0-3-18-25	PolyMark 1.0 MM x 3 MM Polymer Marker in an 18 GA-25 CM Needle ( <i>special order only</i> )
PM-1.0-5-18-20	PolyMark 1.0 MM x 5 MM Polymer Marker in an 18 GA-20 CM Needle
PM-0.8-3 (4)	PolyMark 0.8 MM x 3 MM Polymer Markers (4 Pack, Loose)

**Bold** = Top Seller



FusionCoil



## FusionCoil

The **FusionCoil** marker consists of an open spiral gold coil with a titanium alloy core. Because of the low density and high magnetic susceptibility of titanium, the FusionCoil's unique design reduces the CT imaging artifact seen with other gold markers while enhancing visibility in MRI.

The FusionCoil is also available in a pre-spaced version, providing two 5MM FusionCoils separated by a 2CM bioabsorbable spacer. This reduces the number of needle sticks and provides a stable, defined spacing between the markers. The FusionCoil is an excellent option for SpaceOAR cases, intrafractional tracking with Synchrony or Varian's ABH, or any case where MR fusion is prescribed.

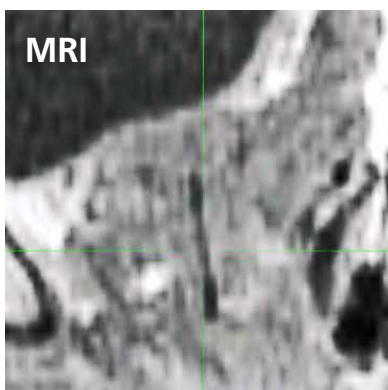
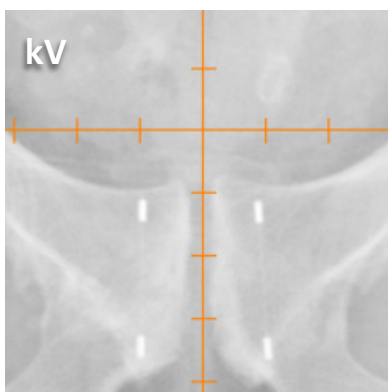
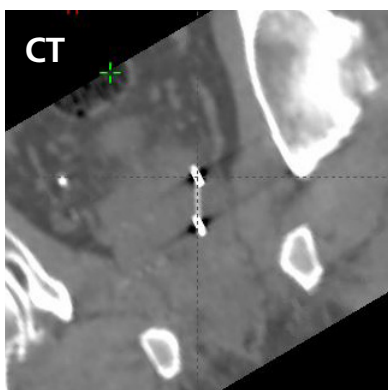
The 5mm FusionCoil is also available in cartridge kits for lung cases, reducing the number of needle sticks, chance of edema or pneumothorax.

<b>FC-1.0-5-18-20</b>	<b>FusionCoil 1.0 MM x 5.0 MM in an 18 GA-20 CM long needle</b>
FC-1.0-5-18-25	FusionCoil 1.0 MM x 5.0 MM in an 18 GA-25 CM long needle ( <i>special order only</i> )
FC-102-NB	FusionCoil 1.0 MM x 5.0 MM - 2 Node, 20 MM Bioabsorbable Space in an 18 GA-20 CM long needle
FC-1.0-20-18-5	FusionCoil 1.0 MM x 20.0 MM in an 18 GA-5 CM cartridge
FC-1.0-20-18-20	FusionCoil 1.0 MM x 20.0 MM in an 18 GA-20 CM long needle
FC-1.0-10-18-20	FusionCoil 1.0 MM x 10.0 MM in an 18 GA-20 CM long needle ( <i>special order only</i> )

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Fleximarc G/T



# Fleximarc G/T

The **Fleximarc G/T** consists of two knurled gold nodes connected by a thin titanium filament. Because of the low density and high magnetic susceptibility of titanium, this marker images as two distinct markers in CT/kV/CBCT, while having enhanced visibility in MRI. The Fleximarc G/T is an excellent option for SpaceOAR cases, intrafractional tracking with Synchrony or Varian’s ABH, or any case where MR fusion is prescribed.

FM-1.0-2-10-GT-18-20	FlexiMarc G/T 1.0 MM - 2 Node, 10 MM Space GT Marker in an 18 GA-20 CM Needle
<b>FM-1.0-2-20-GT-18-20</b>	<b>FlexiMarc G/T 1.0 MM - 2 Node, 20 MM Space GT Marker in an 18 GA-20 CM Needle</b>
FM-1.2-2-10-GT-17-20	FlexiMarc G/T 1.2 MM - 2 Node, 10 MM Space GT Marker in a 17 GA-20 CM Needle
FM-1.2-2-20-GT-17-20	FlexiMarc G/T 1.2 MM - 2 Node, 20 MM Space GT Marker in a 17 GA-20 CM Needle

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PointCoil

## PointCoil

The **PointCoil** marker is the smaller version of the FlexiCoil. It consists of a 5 MM open spiral gold coil with a solid gold central node, providing a single imaging point for IGRT. Due to its helical structure, the PointCoil's design naturally inhibits migration. The PointCoil is also available in cartridge kits reducing the number of needle sticks, and smaller diameter options reducing the chance of edema or pneumothorax.

<b>PC-0.8-1-5-GG-18-5</b>	<b>PointCoil 0.8 MM x 5.0 MM in an 18 GA-5CM cartridge</b>
19-15-T	19GA ETW x 15cm Trocar Needle <i>(US only)</i>
PC-0.6-1-5-GG-20-20	PointCoil 0.6 MM x 5.0 MM in a 20-GA-20CM long needle
PC-0.9-1-5-GG-18-20	PointCoil 0.9 MM x 5.0 MM in an 18-GA-20CM long needle <i>(special order only)</i>

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FlexiCoil

## FlexiCoil

The **FlexiCoil** marker is a helical gold coil with solid node endpoints. This unique design reduces marker migration and provides clearly definable endpoints unlike other helical markers.

<b>FC-0.9-2-10-GG-18-20</b>	<b>FlexiCoil 0.9 MM x 10 MM in an 18 GA-20CM long needle</b>
FC-1.2-2-10-GG-17-20	FlexiCoil 1.2 MM x 10 MM in a 17 GA-20CM long needle
FC-0.6-2-10-GG-20-20	FlexiCoil 0.6 MM x 10 MM in a 20 GA-20CM long needle <i>(special order only)</i>
FC-1.2-2-20-GG-17-20	FlexiCoil 1.2 MM x 20 MM in a 17 GA-20CM long needle <i>(special order only)</i>

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*Stranded Markers*

## Stranded Gold Markers

Cortex **Stranded Gold** markers consist of two 1.0mm x 3.0mm Knurled Gold markers separated by a bioabsorbable spacer that naturally adheres to tissue, providing a stable 2.0cm center-to-center marker spacing. This configuration offers the benefit of two sterile markers preloaded into each 18-gauge needle, yielding a fixed marker spacing perfect for prostate CBCT alignment with less needle sticks for the patient. The fixed spacing between the gold nodes inhibits marker occlusion and migration, yielding marker pairs that are easily tracked in Accuray's Synchrony or Varian Auto Beam Hold and visible in kV, MV, CBCT, CT and ultrasound.

Stranded Gold markers are a great, cost-effective marker option when MRI image fusion is not prescribed.

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Two 20cm 18Ga sterile placement needles each containing two 0.8mm x 3mm gold markers separated by a 17mm spacer (20mm center-to-center spacing).



*Knurled Gold Markers*

# Knurled Gold Markers

A Cortex classic — our **Knurled Gold** markers come preloaded in sterile placement needles. Available in multiple sizes and configurations to meet your needs, all our markers are knurled to inhibit migration.

<b>FM-102-AB</b>	<b>Knurled Gold Fiducial Markers, 1.0 MM x 3.0 MM 3-pack, 18 GA-20 CM long needle</b>
FM-102-AB-4pk	Knurled Gold Fiducial Markers, 1.0 MM x 3.0 MM 1-pack, 18 GA-20 CM long needle
FM-1.0-3-18-20	Knurled Gold Fiducial Markers, 1.0 MM x 3.0 MM 1-pack, 18 GA-20 CM long needle
<b>FM-102-AJ</b>	<b>Knurled Gold Fiducial Markers, 1.2 MM x 3.0 MM 3-pack, 17 GA-20 CM long needle</b>
FM-102-AJ-4pk	Knurled Gold Fiducial Markers, 1.2 MM x 3.0 MM 4-pack, 17 GA-20 CM long needle
FM-102-JJ	Knurled Gold Fiducial Markers, 1.2 MM x 3.0 MM 1-pack, 17 GA-20 CM long needle <i>(special order only)</i>
GM-1.2-3-1-17-30	Knurled Gold Fiducial Markers, 1.2 MM x 3.0 MM 1-pack, 17 GA-25 CM long needle
FM-1.0-5-18-20	Knurled Gold Fiducial Markers, 1.0 MM x 5.0 MM 1-pack, 18 GA-20 CM long needle

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