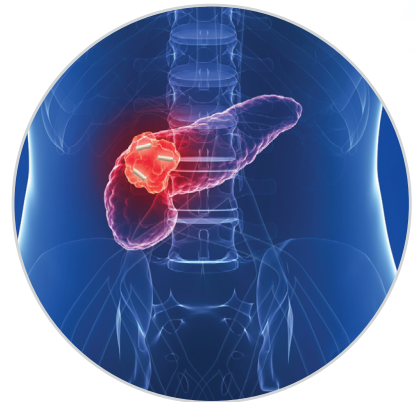
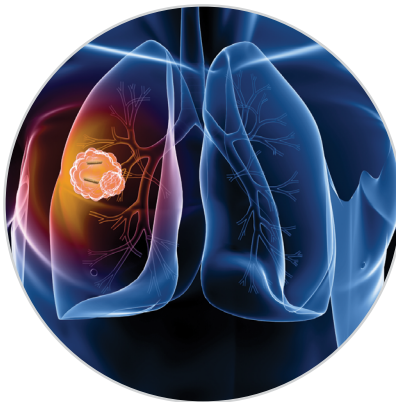
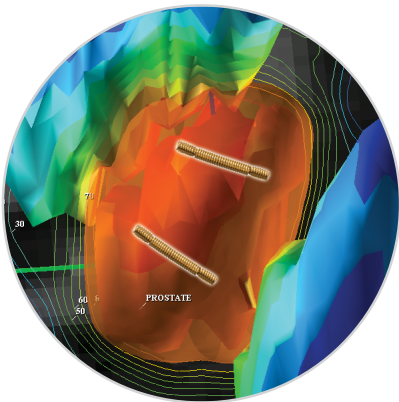


Fiducial Markers Guide

for accurate target localization



Fiducial Markers

Implantable fiducial markers provide a highly effective method of ensuring accurate target localization for tumors/ organs that move in respect to external anatomy, as well as for the precise localization needed for stereotactic radiotherapy. CIVCO RT offers the largest selection of specially designed fiducial markers, making your target always clearly visible.

Largest selection of specially designed fiducials includes:

- Linear gold coils with solid identifiable end points
- Linear gold coils specific for MRI and CT fusion
- Biocompatible artifact free polymer markers
- Fiducials linked at a specific distance for precise localization

Gold marker features:

- Specially knurled surface is designed to inhibit migration
- 99.9% pure gold
- Non-biological imaging characteristics make markers easier to identify

Multiple needle gauge sizes:

- 20, 19, 18 and 17 gauge needles

FusionCoil™

Optimized for MR and CT fusion

MRSeries™

PolyMark™

Optimized for MR, Proton and minimizes artifact

MRSeries™ ProtonSeries™

PointCoil™

Helical coil provides single, unique point

ProtonSeries™

FlexiCoil™

Linear gold coil with solid identifiable end points

FlexiMarc™ G/T

Gold nodes linked at a specific distance for precise location

Gold Soft Tissue

Specially knurled surface 99.9% pure gold; Non-biological imaging

Disease Site Recommendations



Head & Neck



Breast



Lung



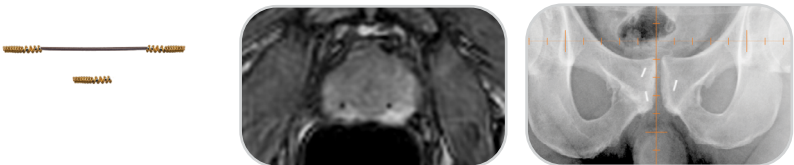
Abdomen



Prostate

FusionCoil™

The FusionCoil Marker images equally as well in CT as it does in MRI. It consists of an open spiral gold coil with a special biocompatible alloy core that appears as a solid black dot in MRI. This is the first of its kind, providing superior reference for image fusion as well as precise IGRT.



MTCTXFC1051820	1 x 5 mm marker	18 GA ETW x 20 cm needle	Qty 1					
MTCTXFC10201820	1 x 20 mm marker	18 GA ETW x 20 cm needle	Qty 1					
MTCTXFC10251820	1 x 5 mm marker	18 GA ETW x 20 cm needle	Qty 1					
Includes 2 markers with a 15 mm bioabsorbable spacer. NOT CE MARKED								
MTCTXFC1051825	1 x 5 mm marker	18 GA ETW x 25 cm needle	Qty 1					

FusionCoil SBRT Kit

Cartridge Kits reduce the number of needle passes and minimize the chance of Edema or Pneumothorax.

MTCTXFC001	Pre-loaded FusionCoil needle, 18 GA x 20 cm, w/ 1 x 5 mm marker, Qty 1 Pre-loaded FusionCoil cartridges, 1 x 5 mm marker, Qty 2					
MTCTXFC105185	Additional Pre-loaded FusionCoil cartridge, 1 x 5 mm marker, Qty 1					



Disease Site Recommendations

Head & Neck

Breast

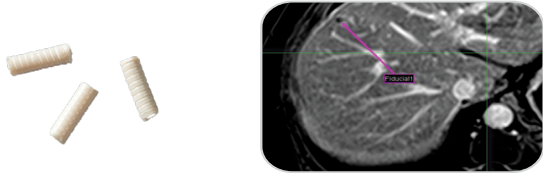
Lung

Abdomen

Prostate

PolyMark™

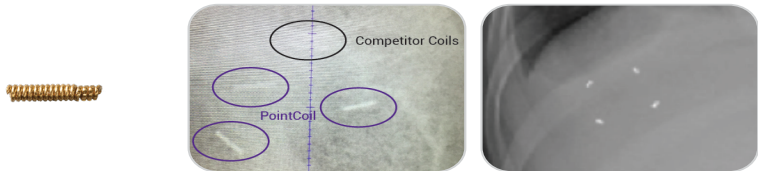
The PolyMark Marker is the first biocompatible polymer-based marker. It minimizes artifact, is visible using kV based IGRT solutions, MRI and is optimized for Proton Therapy.



MTCTXPM101820	1 x 3 mm marker	18 GA ETW x 20 cm needle	Qty 1	<div><div></div><div></div><div></div></div>
MTCTXPM101825	1 x 3 mm marker	18 GA ETW x 25 cm needle	Qty 1	<div><div></div><div></div><div></div></div>
MTCTXPM0834	0.8 x 3 mm marker <i>Loose, Sterile</i>	-	Qty 4	<div><div></div><div></div></div>

PointCoil™

The PointCoil Marker is a 5mm long helical coil that provides a single unique point for IGRT. The helical design maximizes stability and minimizes artifact.



MTCTXPC0605	0.6 x 5 mm marker	20 GA ETW x 20 cm needle	Qty 1	<div><div></div><div></div><div></div></div>
<i>Optimized for Proton. Minimal shadows when administering treatment.</i>				

PointCoil™ SBRT Kit

Cartridge Kits reduce the number of needle passes and minimize the chance of Edema or Pneumothorax.

MTCTXPC0819153	Trocarn placement needle, 19 GA x 15 cm, Qty 1 Pre-loaded PointCoil cartridge, 0.8 x 5 mm marker, Qty 3			<div><div></div><div></div></div>
MTCTXPC08185	Additional Pre-loaded PointCoil cartridge, 0.8 x 5 mm marker, Qty 1			<div><div></div><div></div></div>



Disease Site Recommendations

Head & Neck

Breast

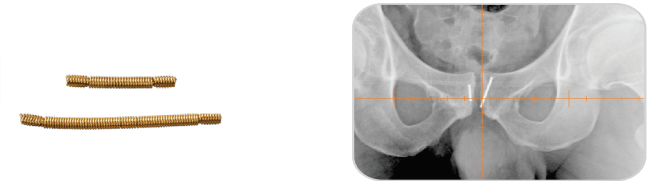
Lung

Abdomen

Prostate

FlexiCoil™

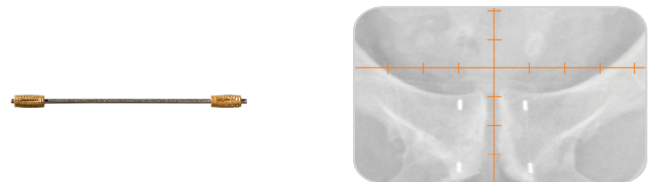
The FlexiCoil Marker is a unique, non-migrating marker with solid end points. FlexiCoil provides a unique image with two nodes that clearly define the end points.



MTCTXFC09101820	0.9 x 10 mm marker	18 GA ETW x 20 cm needle	Qty 1	<div><div></div><div></div></div>
MTCTXFC12101720	1.2 x 10 mm marker	17 GA ETW x 20 cm needle		<div><div></div><div></div></div>
MTCTXFC12201720	1.2 x 20 mm marker	17 GA ETW x 20 cm needle	Qty 1	<div><div></div><div></div></div>

FlexiMarc™ G/T

The FlexiMarc G/T Marker provides distinctive non-biological projection with easily definable nodes. The gold nodes are connected with a fine titanium line, which creates the optimal performance characteristics and visualization.



MTCTXGT10182010	1 x 3 mm markers <i>10 mm spaced</i>	18 GA ETW x 20 cm needle	Qty 1	<div><div></div></div>
MTCTXGT10182020	1 x 3 mm markers <i>20 mm spaced</i>	18 GA ETW x 20 cm needle	Qty 1	<div><div></div></div>

Optimized for CyberKnife® prostate treatments.

Coupled Markers

Coupled Markers are 3 mm long with either 0.8 or 1.0 mm diameters attached at a fixed distance, 20 mm apart from center to center. They are secured with a sterile, tissue-absorbable material. This ensures that the markers are implanted at a known distance for calculating precise localization.



MTNW887709	0.8 x 3 mm markers	18 GA ETW x 20 cm needle	Qty 2	<div><div></div><div></div><div></div></div>
MTNW887710	1 x 3 mm markers	17 GA ETW x 20 cm needle	Qty 1	<div><div></div><div></div><div></div></div>
MTNW887712	1 x 3 mm markers	17 GA ETW x 20 cm needle	Qty 2	<div><div></div><div></div><div></div></div>
MTNW887711	1 x 3 mm markers	17 GA ETW x 20 cm needle	Qty 1	<div><div></div><div></div><div></div></div>
	1.2 x 3 mm markers	17 GA ETW x 20 cm needle	Qty 1	<div><div></div><div></div><div></div></div>

Disease Site Recommendations

Head & Neck

Breast

Lung

Abdomen

Prostate

Align™

Align Markers are 10 mm long to accommodate localization software systems that utilize linear fiducials as opposed to multiple segment points.



MTNW887883	0.8 x 10 mm marker	18 GA ETW x 20 cm needle	Qty 2			
MTNW887881	1.2 x 10 mm marker	17 GA ETW x 20 cm needle	Qty 2			
MTNW887882	1.2 x 10 mm marker	17 GA ETW x 20 cm needle	Qty 2			

CyberMark™

CyberMark Markers were developed specifically for use with Accuray’s CyberKnife robotic radiosurgery system. The gold marker measures 5 mm long and 1 mm in diameter, as specified in the CyberKnife software.



MTNW887851	1 x 5 mm marker	18 GA ETW x 20 cm needle	Qty 1			
MTNW887853	1 x 5 mm marker	18 GA ETW x 20 cm needle	Qty 3			
MTNW887855	1 x 5 mm marker <i>Loose, Sterile</i>	-	Qty 4			

Bone Markers

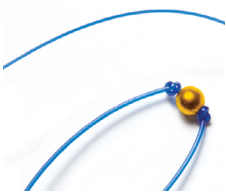
Bone Markers are 99.9% pure gold 2 mm spheres recommended for head and neck applications. They are typically placed in a small hole in the bone and sealed with bone wax, with minimal marker migration.



MTNW887805 NOT CE MARKED	2 mm diameter <i>Loose, Sterile</i>	-	Qty 3	
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Suture-Type Markers

Suture-Type Markers are designed for high accuracy breast tumor localization. The 99.9% pure gold spheres with small central holes are readily sutured in place to provide a permanent localization solution. They are prethreaded on absorbable sutures.



MTNW887866	2 mm diameter	-	Qty 3	
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Disease Site Recommendations

Head & Neck

Breast

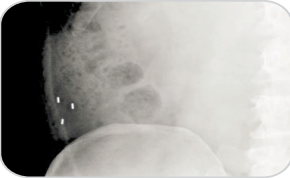
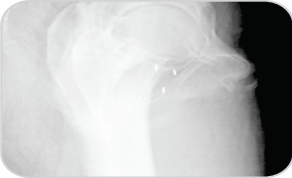
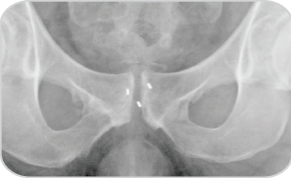
Lung

Abdomen

Prostate

Gold Soft Tissue Markers

Gold Soft Tissue Markers are 99.9% pure gold cylinders specially knurled to inhibit migration. They are 3 mm long and 0.8, 0.9, 1.2 or 1.6 mm in diameter. They are available loose or in sterilized preloaded needles.



MTNW887871	0.9 x 3 mm marker	18 GA ETW x 12 cm needle	Qty 1			
MTNW887870	0.9 x 3 mm marker	18 GA ETW x 12 cm needle	Qty 3			
MTNW887872	0.9 x 3 mm marker	18 GA ETW x 20 cm needle	Qty 1			
MTNW887873	0.9 x 3 mm marker	18 GA ETW x 20 cm needle	Qty 3			
MTNW887830	1.2 x 3 mm marker	17 GA ETW x 20 cm needle	Qty 1			
MTNW887825	1.2 x 3 mm marker	17 GA ETW x 20 cm needle	Qty 3			
MTNW887840	1.2 x 3 mm marker	17 GA ETW x 20 cm needle	Qty 4			
MTNW887836	1.2 x 3 mm marker	17 GA ETW x 30 cm needle	Qty 1			
MTNW887835	1.2 x 3 mm marker	17 GA ETW x 30 cm needle	Qty 3			
MTNW887837	1.2 x 3 mm marker	17 GA ETW x 30 cm needle	Qty 4			
MTNW887860	1.6 x 3 mm marker	14 GA ETW x 20 cm needle	Qty 3			
MTNW887808	0.8 x 3 mm marker <i>Loose, Sterile</i>	-	Qty 3			
MTNW887809	0.9 x 3 mm marker <i>Loose, Sterile</i>	-	Qty 3			
MTNW887810	1.2 x 3 mm markers <i>10 mm spaced</i>	17 GA ETW x 20 cm needle	Qty 1			
MTNW887812	1.2 x 3 mm marker <i>Loose, Sterile</i>	-	Qty 3			



Global Sales Office
1401 8th Street SE
Orange City, IA 51041
800.842.8688 | +1 712.737.8688
info@CivcoRT.com | www.CivcoRT.com

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