

Applications & Solutions

Shape Memory Probes

Semi-rigid probes can be built with a special metal alloy (Nitinol or Tinel) that will hold its shape after being deflected.

The shape is put into the tube using a heating process. The scope can be straightened with an outer sheath, and then deployed by retracting the sheath, or it can be used without the sheath. This type of scope has many advantages that make it appealing for general use, but is not advisable for general use where the properties are not needed. The tubing is more expensive and has a thicker wall which limits lighting possibilities. A scope of this type can replace a much more expensive and fragile articulating scope.