

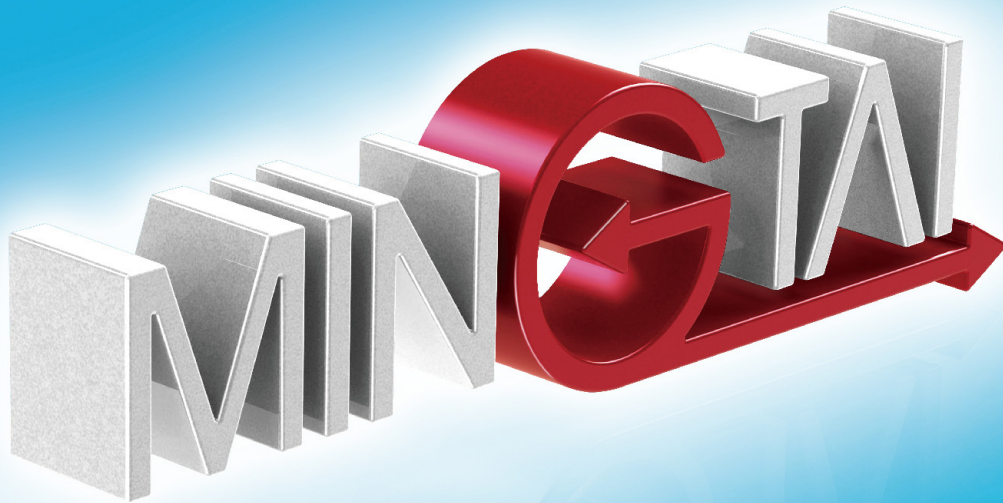


Steel Strip Spring For Medical Device Application

Since 1966

Constant Force Spring & Power Spring
Specialized Manufacturing from Taiwan





Our fully supporting is part of your competitive advantage

Components for medical devices are required high quality, precise performance, durable lifecycle and full engineering support from its supplier. Ming Tai Industrial Co. has been dedicated to manufacturing steel strip spring since 1966. Our products include Constant Force Spring, Constant Torque Spring, Power Spring, Variable Force / Torque Spring, Spring-Strip Tubes. All products are ISO9001 certificated, and comply with RoHs. From initiate design phase to spring production process, Ming Tai Industrial Co. offers customers with exclusive support, and keeps in-house production to ensure stable quality and rapid delivery, including slitting, heat treatment, edge trimming, and forming etc. Furthermore, Ming Tai stocks sufficient and variety raw material enable us to provide customer with prototyping and running mass production rapidly. You are welcome to take advantage of our full supports to turn into your core competence.

In-house major manufacturing equipment are as following

1. Hardened & tempered steel-strip furnace.
2. Slitting machines for steel-strip.
3. Edge trimming machines for steel-strip.
4. CNC forming machines for various steel-strip spring.
5. Rewind machines for various steel-strip spring.
6. Cleaning machines & temper furnace for spring parts.





Quality insurance

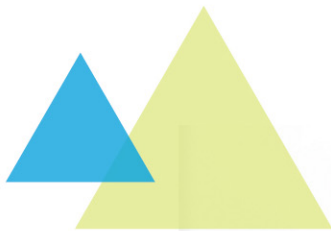
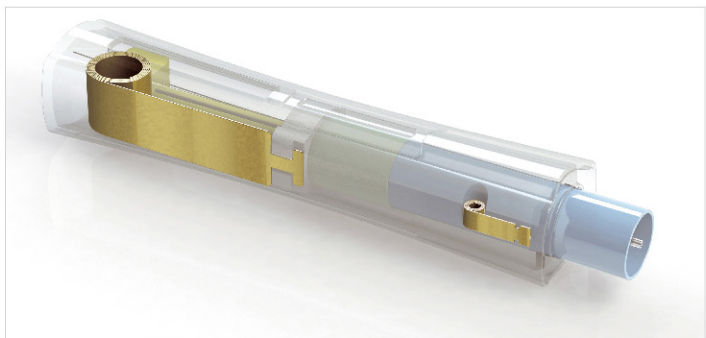
The major inspection equipment is as following

1. INSTRON material testing system for tension and compression test
2. INSTRON torsion testing system for torque test
3. Cycle Life tester for constant force spring
4. Cycle life tester for power spring and constant torque spring
5. MICRO VICKERS Hardness Tester
6. CNC 2D vision measurement system



Pen type drug injection application

Ming Tai offers Variable Force Spring, Constant Force and Power Spring for pen type drug Injection application. Our spring innovation technology makes spring force profile precisely match typical syringe glide force profile.

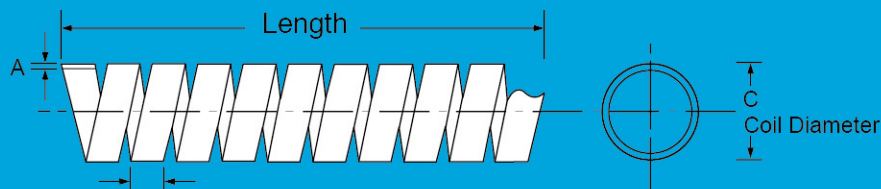


Stainless steel strip spring tube for borescope and endoscopes application

Adjustable control cable for automotive and industrial



Specification:

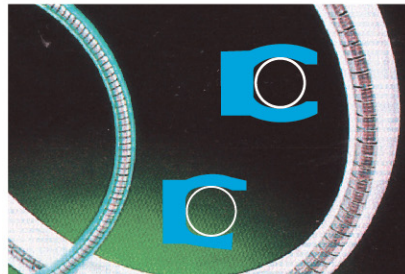


The available minimum size :
A = 0.03mm ; B = 1mm ; C = 1.2mm

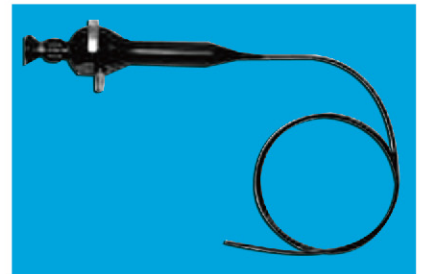
Function+Applications



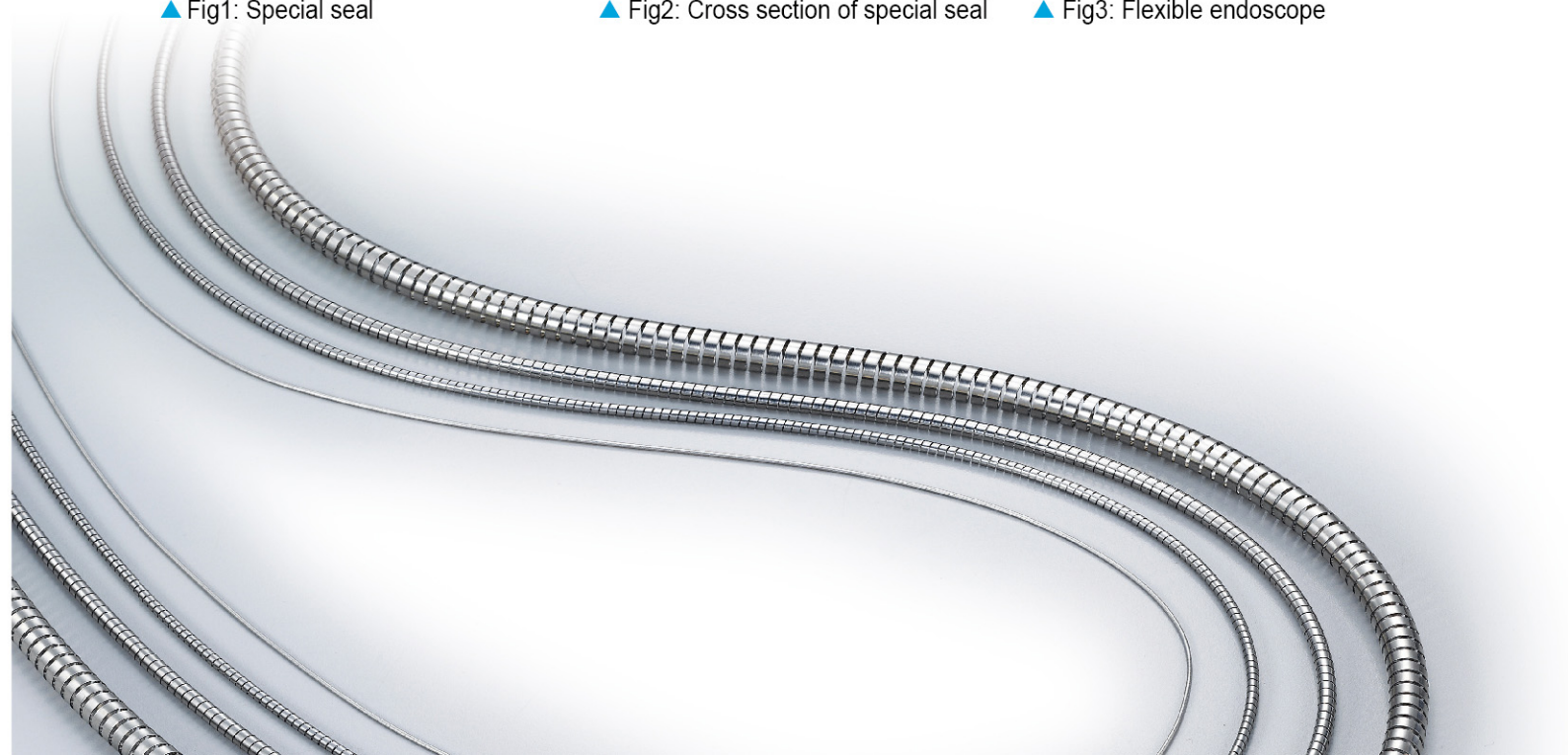
▲ Fig1: Special seal



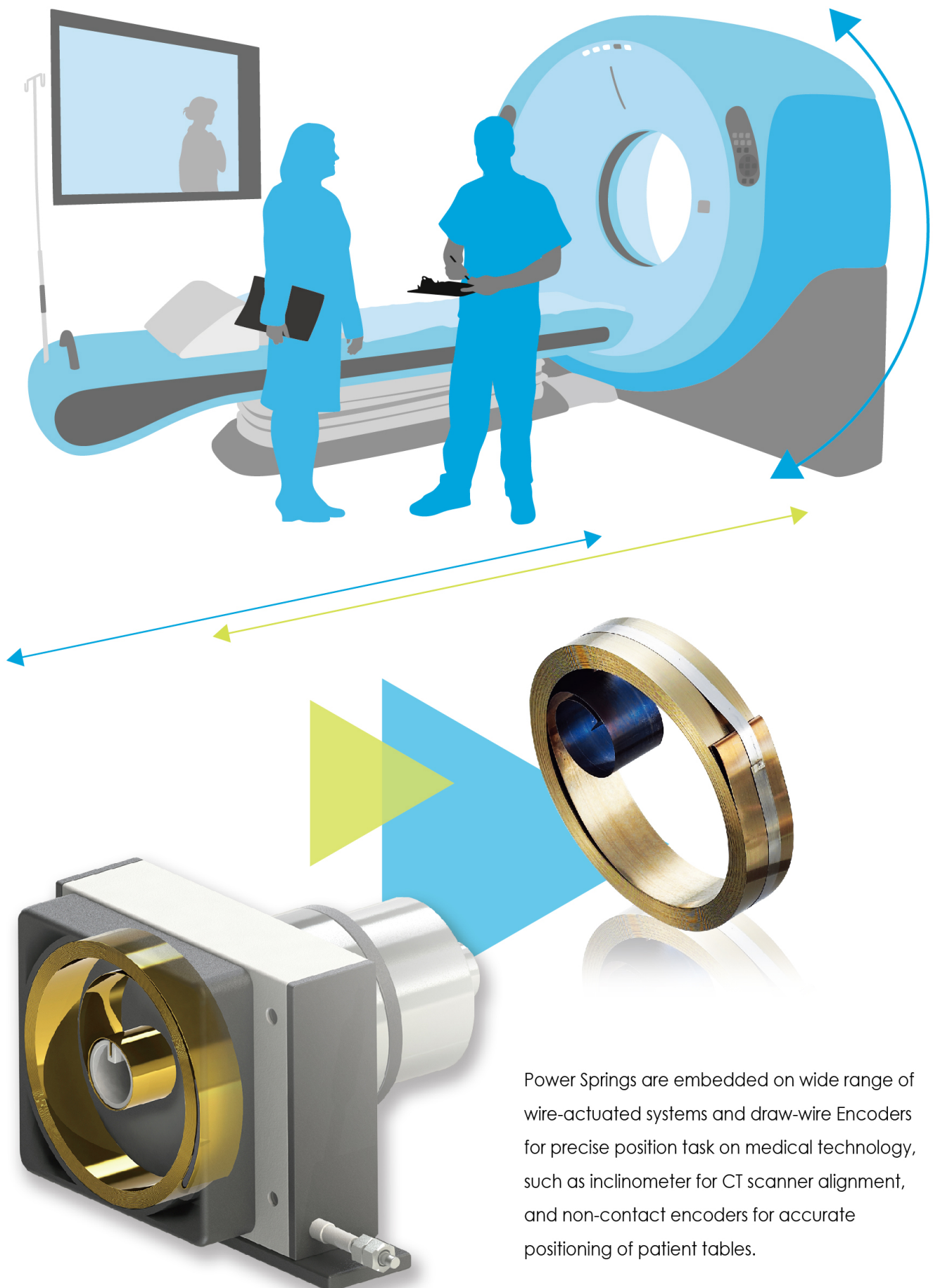
▲ Fig2: Cross section of special seal

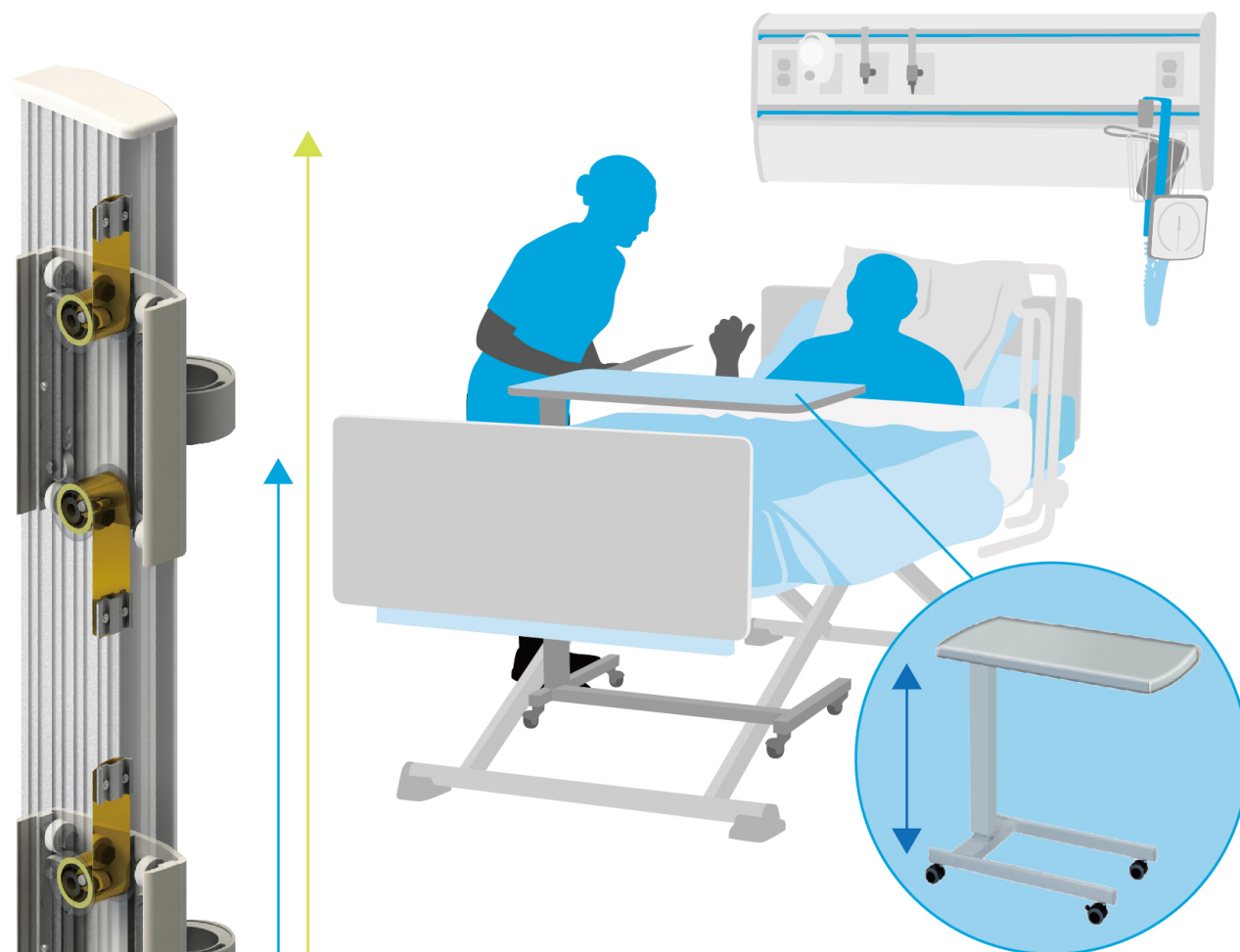


▲ Fig3: Flexible endoscope



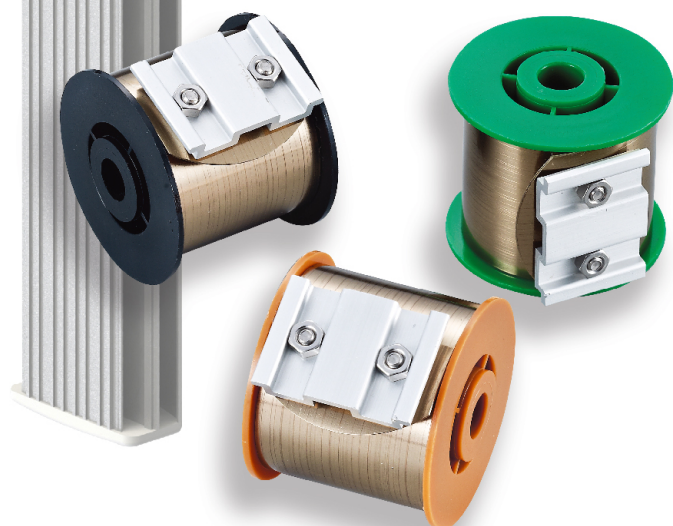
Precise position movement application





Position adjustment application

Constant Force Springs are also applied to up-down movement of patient bedside dining table. And display & keyboard integrated medical information workstation. Benefits of Constant Force Springs for medical application are precise, high safety, durability, customer-specific adjustments and special solutions





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Main Product Line:

Constant Force Spring

Constant Torque Spring

Constant Force Spring for Carbon Brush

Power Spring

Variable Force / Torque Spring

Spring-Strip Tube

Assembly and Mounting Service