



SOURIAU

JBX Application Success Story Volume 3 Feature Focus: Density & Keying Market Focus: Medical Application Focus: Imaging

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This month's success story highlights the Medical Imaging Market Segment. This is by far the most heavily used and growing market segment of the Souriau JBX product. The US demand for imaging equipment will grow at nearly 6-9 percent per year through 2014 driven by technology advances, our aging demographics and the ever changing health care approaches in the US.

I will focus on the technology advances. First, I would like to clarify the definition of medical imaging. This includes a plethora of imaging media including Ultrasound, X-Ray, CT, MRI, nuclear medicine, and radiographic fluoroscopy, PET, PACS/RIS and other equipment: contrast agents, X-ray film and radiopharmaceuticals. The JBX Push Pull is a preferred connector of choice for the medical imaging application because of several features / benefit attributes.

- 1. Density.** As more data is collected with the combination of two or more of these technologies or with the development of 3D imaging within one of these technologies the pin count increases and the JBX connector density is a feature for design success.
- 2. Space.** The push pull coupler designs saves space on the panel.
- 3. Ease of mating.** The push pull coupler can be mated and unmated in a gloved environment traditional in the medical field.
- 4. Keying.** The JBX product is mechanically keyed to prevent mis-mating or mis-alignment.

Our OEM is a global leader in medical imaging in the specific area intravascular ultrasound. On their next generation control panel they needed increased density and needed to stack the connectors in a tight space. They used multiple JBX push pull receptacle panel mount connectors on the devices in a variety of keys in the higher density for this application.

Medical imaging will continue to explode over the next 1-5 years in applications for JBX push pull applications.