

Convenience and efficiency mobilized



Stryker Prime X® X-ray Stretcher certifiably produces a similar image quality to that of an X-ray table, according to UL.

Situation

With increasing demands on today's healthcare industry, caregivers are continuously asked to do more with less. Portable imaging, a necessary process at times, may put additional strain on caregivers and radiologists. Lifting patients, positioning cassettes, and transferring to X-ray tables are a few of the challenges they are faced with daily. When a clear image is needed for diagnosis, and every second counts, caregivers and radiologists do what it takes, often putting their own bodies at risk for the sake of their patients. Current hospital stretchers are not standing up to the growing demands needed for portable imaging.

Technology

With over 70 years of innovation, Stryker Medical designs stretchers to meet the needs of the hospital environment. With the introduction of the Prime X X-Ray Stretcher, Stryker married innovative stretcher solutions with a new radiolucent surface, ClearView Technology®. Prime X offers a 700 lb. weight capacity with the advanced mobility of Big Wheel and Zoom® Motorized Drive, as well as the hallmark features found on Prime Series® Stretchers, such as glideaway siderails and a litter-mounted O2 bottle holder. The ClearView Technology patient surface turns a standard stretcher into a radiolucent platform for virtually any patient, providing one solution that can meet the demands of caregivers, while enabling quality imaging for radiologists.

Results

Low Attenuation: The ClearView Technology surface, unique to the Prime X X-ray Stretcher, consists of structural foam encased by two layers of ABS composite, and is specially crafted to minimize attenuation. In an attenuation test completed by UL, a global independent safety science company, Stryker's Prime X ClearView Technology enabled an aluminum attenuation equivalency of 0.56mm, which is comparable to that of a stationary X-ray table (typically 0.3-0.5mm). Therefore, Prime X helps deliver similar image quality to that of an X-ray table, now on a mobile platform.

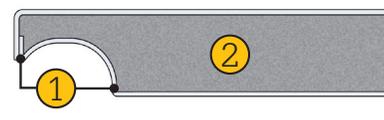
Minimal Magnification: Prime X offers an open architecture design that fits virtually all known cassettes, including portable digital detectors. The cassette platform has a beveled edge with visual alignment guides to help reduce magnification. The beveled edge brings the cassette closer to the patient platform, minimizing the gap between the two platforms.

Conclusion

The Stryker Prime X X-ray Stretcher, utilizing ClearView Technology in a dual-deck design, offers a similar image quality to an X-ray table with the convenience and efficiency of a mobile platform.



**Stryker Prime X
X-ray Stretcher**



**Cross-section of ClearView
Technology Patient Platform.**

- ① ABS Composite
- ② Structural Foam



**Beveled edge and visual
alignment guides.**