

## SERAPID Inc

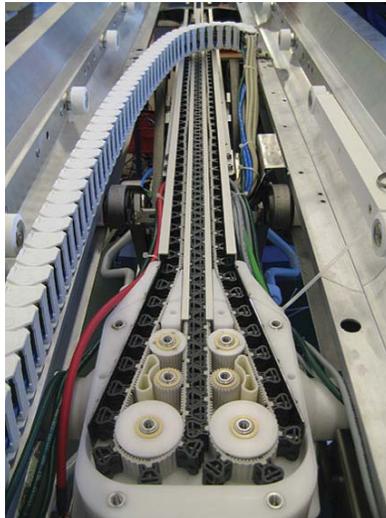
### Our Technology

**SERAPID** was founded in 1972, and we have built our reputation by providing innovative solutions to challenging projects. More than four decades of engineering expertise combined with our unique technology allows us to deliver exceptional results for the most complex projects.

#### SERAPID Inc

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United States

[www.serapid.com](http://www.serapid.com)



**The non-magnetic RigiBelt actuator provides incremental motion.**

**SERAPID's core technology** is the Rigid Chain, the chain that can push. It consists of interlocking links that behave like a chain yet lock like a rigid bar, providing a safe, reliable and compact telescopic actuation mechanism with unequalled performance even in harsh environments.

The completely electro-mechanical Rigid Chain is a genuine alternative to hydraulic solutions; with no need for fluids, SERAPID products have a reduced environmental impact and minimal maintenance costs. The robust design of the chain makes for outstanding reliability, high cycle use and high load capacity.

SERAPID chain is telescopic, capable of delivering long strokes and then retracting into a compact magazine. The links allow for incremental positioning and will hold its position indefinitely, even under load. Our lift products have been tested to maintain low deflection even in demanding weather conditions, and are resistant to seismic forces.

SERAPID products and systems are used in diverse sectors – In industrial applications: manufacturing facilities, thermal treatment furnaces, die change and die handling, tube and pipe processing, pallet pushing systems and nuclear waste transfer. In the medical sector: The unique RigiBelt, a plastic, non-magnetic version of the Rigid Chain is used in MRIs. In construction: architects and engineers use rigid chain to move structural elements (walls, roofs, stands, etc.), elevators, service and vehicle lifts. In theatre: SERAPID offers stage, orchestra platform elevation solutions, horizontal scenery movement, and seating systems that allow the configuration of multi-functional venues. SERAPID systems are also used in aerospace and composite manufacturing, as well as in the defense industry.

With a longstanding commitment to continued innovation in product design as well as to providing leadership in the advancement of engineering practices worldwide, SERAPID's team of talented engineers look forward to new challenges.



**Workers install the Vertical LinearBeam for a multi-story vehicle lift.**



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*Nominate engineering leadership for a person or inventor, engineering leadership by a specific department, or an overall company accomplishment.*

**SERAPID**  
RIGID CHAIN TECHNOLOGY