



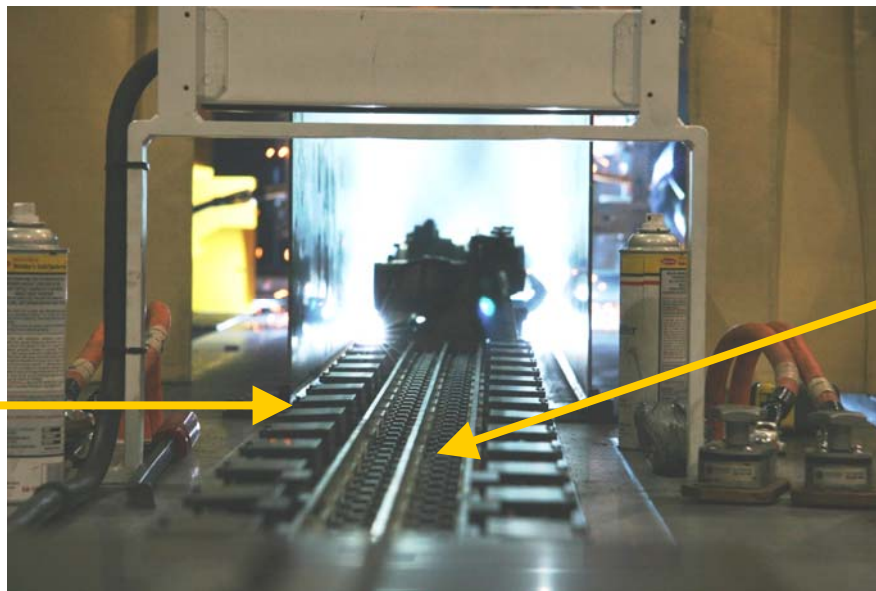
Application Solutions

A welding automation company was looking for a compact alternative to position a gauge box for holding four plates to be welded together to make a telescoping crane boom. The new Serapid system reduced the length from 100 feet to 36 feet.

Key Considerations:

- Harsh environment –chain is constantly exposed to weld spatter and smoke.
- The weld is performed while the system is pushed out 17 feet, with a frequency of once per hour, every hour, six days per week.

Special grippers on the sides of the chain guide the electrical hoses and cable attachments.



Serapid Rigid Chain system guides the weld robot.

System Specifics:

Serapid provided the customer two Rigid Chain Push/Pull Systems:

- The first system, which guides the gauge box, has special oversized rollers and side roller brackets. A specially machined housing accommodates the oversized rollers.
- The second system also has oversize rollers, gripper plates, as well as, pins to attach the electrical hose carrier plates. This system includes a special-machined zero-degree housing for a straight through chain drive.



www.serapid.com

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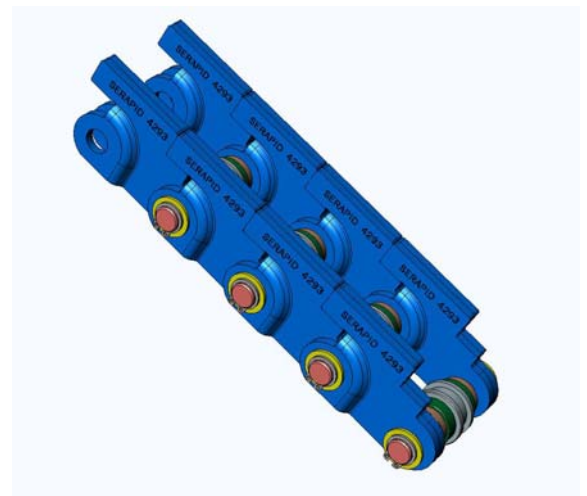


Rigid Chain Engineering

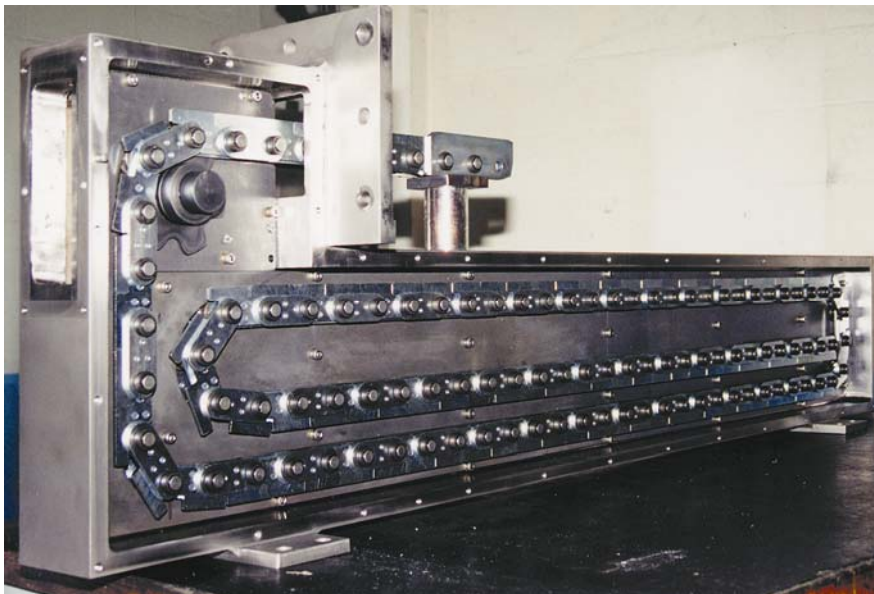
**The Serapid Rigid Chain:
*Push, Pull and Lift***

**Advantages of the Serapid
Rigid Chain:**

- Long Stroke
- Heavy Load
- Harsh Environment
- Limited Space Use



Serapid Rigid Chain



*Serapid Rigid Chain
stores in a compact
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