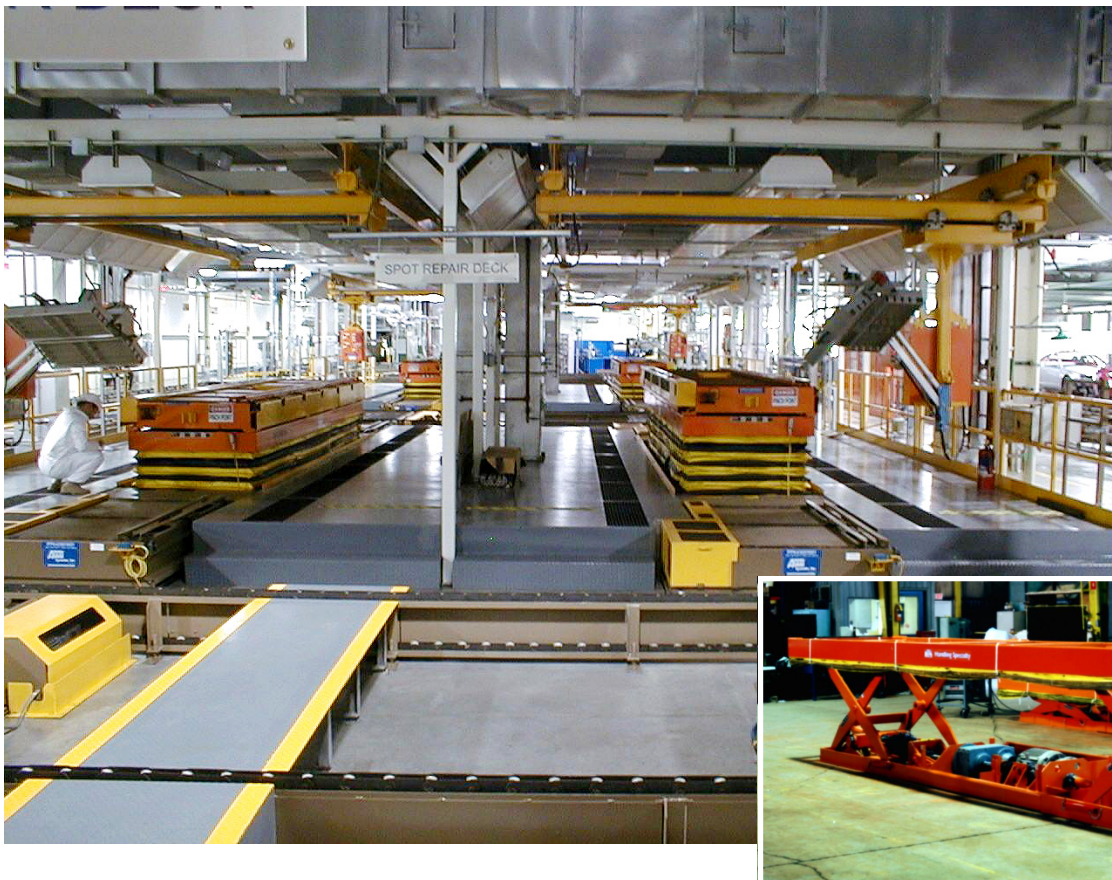


CUSTOM EXPLOSION PROOF MECHANICAL LIFT PLATFORM FOR AUTOMOTIVE PAINT SHOP

SPECIALTY SOLUTION #11

AUTOMOTIVE

- 6,000 lb. capacity, mechanical actuation, 54" x 244" platform, 15" low height, 48" vertical travel
- Explosion-proof paint area designation
- Tandem electro-mechanical scissor lift



An internationally recognized automotive company approached Handling Specialty to custom engineer, design and manufacture explosion proof, high precision lifts for one of their robotic automotive paint facilities. In this solution, the fully-assembled car body enters an off-line inspection booth by way of a power roller conveyor. The body is transferred onto the paint station's tandem scissor lift so that inspection can take place. The purpose of the lift is to position the body accurately for painting by the robot. Synchronous lifting was achieved and made possible by the lifts line shaft interconnected ball screw drive.