SLIP ROBOTICS | FOUR HANDS

HOW FOUR HANDS ACHIEVED 4X THROUGHPUT AT THE DOCK

Imagine reducing truck loading and unloading times from 90 minutes to just 10.

For Four Hands, a international furniture designer and wholesaler, efficiency and safety were critical to scaling operations. They needed a solution capable of handling their diverse product mix—ranging from 2-pound lamps to 400-pound marble coffee tables—across multiple warehouses. Slip Robotics delivered this by providing a user-friendly, turnkey automation system that allowed their team to start reaping the benefits immediately.

KEY RESULTS

4X Dock Throughput
Faster trailer loading & unloading increased processing speed

50% Fewer Product Touches
Reduced manual handling, decreased strain, and improved worker safety.

Zero Forklifts in Trailers
Enhanced safety at the dock and optimized labor utilization





It had a very fast payback. It's cut our nighttime contract labor by half, while increasing our throughput. We're already seeing the savings after only a few months.

BILLY MALADY | VP of Operations

CHALLENGE

Four Hands faced the complex challenge of managing a vast SKU mix and physically demanding loading/unloading processes. Trailers required 8-10 employees up to 90 minutes to load by hand, creating bottlenecks and increasing employee strain.

The company also had to move products across multiple buildings, adding operational inefficiencies. With manual processes no longer meeting growing demands, Four Hands needed a solution that would optimize throughput and safety while requiring minimal infrastructure changes.

SOLUTION

Slip Robotics deployed 15 SlipBots across multiple facilities in Austin, Texas. SlipBots enable multiple operators to load products directly onto the bots instead of the floor. Once loaded, the SlipBots autonomously move products into trailers for shipment to another warehouse. Upon arrival, SlipBots autonomously exit, where operators swarm unload from all four sides dramatically improving efficiency over the traditional single access point of a trailer.

BENEFITS

- **Efficiency Gains:** 75% faster unloading and 50% faster loading times.
- **Rapid ROI:** 50% reduction in nighttime contract labor cost
- **Enhanced Safety:** Employees stay out of trailers, avoiding hazards & fatigue.
- **Ease of Use:** Deployment & training in hours rather than months





It really does what it's advertised to do. Being able to implement solutions that help the human provides a practical and realistic solution that delivers value.

JIM ANDERSON | Chief Operations Officer