

RoNA™ Lift

RoNA™ Lift is an autonomous, intelligent robotic nursing assistant capable of lifting and maneuvering patients weighing up to 500 pounds. The proprietary design relies on numerous innovations achieved by the company's expert engineers to deliver an exponentially higher rate of successful, safer and more comfortable lifts compared to today's commonly used techniques.



★Advanced Technology



INTELLIGENT

An intelligent navigation control / human - robot interaction

STABLE

A mobile platform with holonomic drive and ZMP stability enhancement

FLEXIBLE

Humanoid robotic system featuring bi-manual dexterous manipulators

SAFE

An intrinsically safe actuator for compliance, safety, and flexibility

Patent list:

Mobile Medical Robotic System

US-2012-0283746-A1

System for Stabilization Control of Mobile Robotics

US-2012-0283872-A1

A Mobile Robotic Lifting and Transferring System for Bariatric Patients (Pending)



★ Features

Dexterity:	Bi-manual • Omnidirectional
User interfaces:	Tablet • Joystick • Direct human-to-robot interface via haptic sensors • Voice (optional)
Navigation:	Self-guided with obstacle avoidance capabilities
Environmental mapping:	Sensor-based for local map generation; can integrate registered area maps/floor plans if available
Payload support:	Up to 500 lbs
Telepresence capability:	Available
Charging method:	Self-charging at base station
Environmental use:	Indoors

★ Model Options & Availability

For more information regarding RoNA™ Lift, please contact info@hstartech.com.

