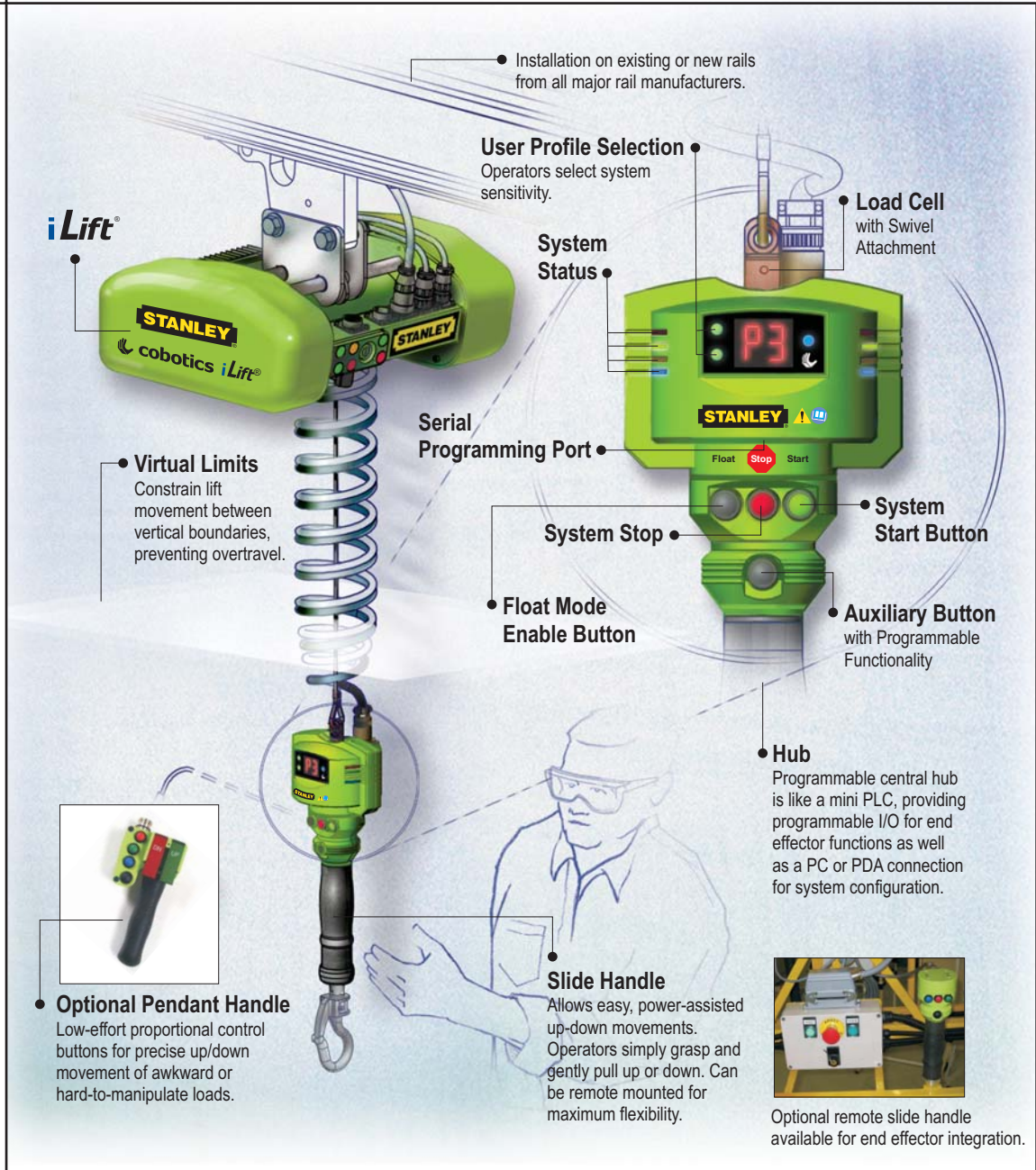


Does your lift equipment slow you down?

Having trouble meeting productivity goals?

Are upper extremity strains and injuries increasing in your plant?

Would you like to enhance the functionality of your end effector?



Intuitive Control Provides Fast, Precise Movement

Stanley's *iLift*, the most advanced lifting and balancing system available, allows operators to manipulate loads with greater speed and precision than ever before. By simply grasping the slide handle or the load itself and gently applying force in the desired direction, the operator can manipulate payloads as if they weighed ounces.

Operators can meet productivity goals while reducing ergonomic strain, with programmable virtual limits, user-selectable operating profiles, and vertical speeds up to 295 ft/min (1.5 m/sec). Offering a blend of power assist and hands-on ("float mode") load positioning, the *iLift* combines computerized control with human manipulation.

The *iLift* maximizes the capability of end effectors—with a programmable hub featuring internal logic for control of end effector functions via air cylinders, interlocks, proximity switches, and a locally mounted E-Stop.

Allowing easy installation on existing or new rail configurations, quick programmability, and semi-automation, the *iLift* is the highest performing lift assist available today.

Flexible Configurations

Trolley or rail applications

The *iLift* mounts to most standard trolleys and rail profiles and allows seamless end effector interface. It can also be configured with the Stanley *iTrolley* to create multi-axis Intelligent Assist Device (IAD) systems.

Interface with rigid arm configurations

For added versatility, the *iLift* can also be configured to provide vertical lift for rigid arm systems.



Benefits

Greater productivity

Faster cycle times are achieved with the system's speed, float mode, and semi-automation features, allowing operators to accomplish more in a shorter period of time. The *iLift* offers continuous, variable-speed lift control with a maximum speed up to 5 times faster than speeds offered by standard hoists.

Eliminates vertical overtravel

The responsive slide handle allows stopping precisely in the intended position, with no noticeable delay.

Error-proofing automatically compares actual load weight to an expected value. By identifying loads that are either under or over the expected weight, operators can easily and reliably identify errors that may have occurred in assembly or packing operations.

Features

Slide or Pendant Handle

Choose from two handle configurations for direct, hands-on or proportional push-button control.

Float Mode

Featuring an advanced patented float mode, the *iLift* enables:

- Hands-on ("float mode") fine tuning of load position.
- Automatic mass estimation—no need to push a button each cycle.
- Movement of loads without the need to push buttons from the central control position—shaving seconds from cycle times.

Virtual limits

Easily programmable virtual limits prevent load damage and enhance productivity by constraining up/down movement.

Access to system information

Valuable feature for analyzing real-time conditions of the IAD system.

Examples include:

- Maintenance—tracking preventative maintenance schedules
- Error-proofing—comparing actual load weight against an expected value
- Optional Ethernet connection—enables communication with user plant information systems

Locked position

Permits drift-free payload changes, ideal for dumping applications.

Self-contained unit

The *iLift* is completely self-contained, with on-board controls requiring only 120 V AC power.

<i>iLift</i> Specifications	150 lb.	500 lb.
Capacity:	150 lbs. 68 kg.	500 lbs. 226 kg.
Maximum Lift Speed:	295 fpm 1.5 m/s	137 fpm 0.7 m/s
Acceleration:	1 G 9.8 m/s/s	0.5 G 4.9 m/s/s
Vertical Travel:	120 in. / 3048 m	
Duty Cycle:	Continuous (>H5)	
Power Requirement:	120 V AC 1 Phase	220 V AC 1 Phase
Max. Current Draw:	15 amps	
Wire Rope Diameter:	1/8 in. 31.8 mm	3/16 in. 4.76 mm
Unit Weight:	71 lb. 32.2 kg	133 lb. 60 kg
Hub Power Available:	12 V 3 amps	
Hub Inputs:	3 digital, 3 analog	
Hub Outputs:	2 digital, 1 Interlock, & 1 E-Stop	



NEW
500 lb.
Capacity
Unit
Now
Available

Additional system features

- Precision set-down
- Speed reduction points
- Load interlock
- Odometer function
- Anti-recoil
- Capacity overload protection
- E-Stop