Providing Elevator
Installation needs Efficiently

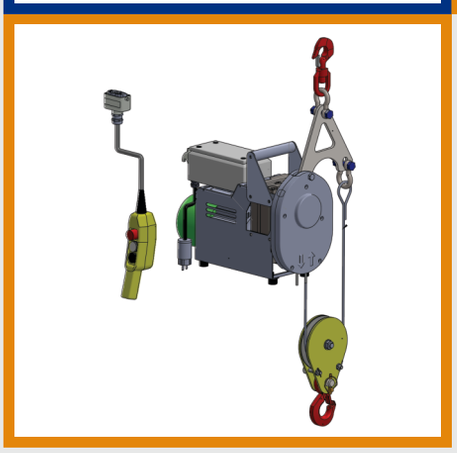










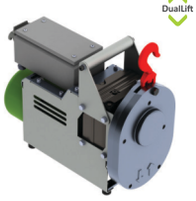


YANTRAA tech

www.yantraatech.in

Power Climber is the global leader in scaffoldless elevator installation access solutions. In 2015 Power Climber joined forces with DualLift. Their Hoists are safe & hence worldwide leading Elevator manufacturers rely on this trust and select DualLift as their partner and certified supplier For Elevator installation and maintenance. While In India it is backed up by prompt service from Yantraatech.

Hoist Options The broadest range of hoists available.

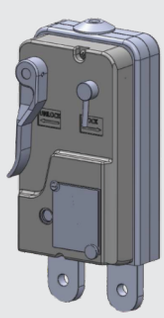
	Material Hoist		Personnel Hoist		
Particulars					
	Atlas	UpLite Cargo	UpPro	UpPro P2514	Titan
WLL	500 kg	100/300/500 kg	500/1000 kg	2500 kg	500/650 kg
Speed	Single Speed 9 (m / min.)	100 kg: 30 (m / min.) 300 kg: 15 (m / min.) 500 kg: 10 (m / min.)	Single Speed 9 or 18 (m / min.) Dual Speed 9/18 (m / min.) VFD Dual Speed 5/9 (m / min.) VFD Quad Speed 5/9/12/18 (m / min.)	VFD Quad Speed 5/9/12/18 (m / min.)	Single Speed 9 (m / min.)
Weight	30 kg	30 kg	40/65 kg	155 kg	30 kg
Supply	230/400 V, 50/60 Hz, 1/3 Ph	230V, 50/60 Hz, 1 Ph	230/400 V, 50/60 Hz, 1/3 Ph Contactor or VFD Technology	400 V, 50/60 Hz, 3 Ph VFD Technology	230/400 V, 50/60 Hz, 1/3 Ph
Safety	N/A	N/A	Upper limit switch Rope end switch Rail end switch (with rollers or magnetic)	Upper limit switch Rope end switch Rail end switch (with rollers or magnetic)	Slack Rope Safety Overspeed Top Limit Switch
Dimensions	550 x 350 x 300 mm	356 x 305 x 610 mm	572 x 318 x 257 mm 640 x 261 x 407 mm	356 x 305 x 610 mm	610 x 356 x 305 mm

Hoist Adapters

Adapters for UpPro hoists:



- False car
- Shackle
- Eye-hook
- Eye-hook & shock lanyard
- Eye-hook, shock lanyard & deflection pulley

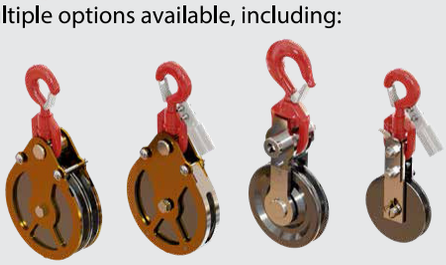


Overspeed Safety Lock

- 600/1000/2500 kg load capacities available
- Hoist mounted OSL (1:1 applications)
- Secondary OSL on extension bar (2:1 applications)

Pulley Options

Multiple options available, including:



Features:

- Load capacities ranging from 2 t to 5 t
- One or two rollers
- User protection casing
- Swivel hook & optional rotation limiter system
- Telescopic rod available
- Compliant with EN 1808 standards

henning
MADE IN GERMANY

YANTRAA tech

Manufacturer of measurement technology for elevators and escalators.

Henning GmbH is renowned around the world for its long-standing experience in the measurement, analysis and assessment of data of elevators and escalators.

Permanent overload control system :

Weight Watcher



The weightwatcher overload measuring system is based on an absolute measuring principle.

The special feature is that the sensors do not have to be calibrated with weights and can be used directly.

AE12wifi allows the entire configuration via TCP/IP or via the setting keys



Features:

- No weights needed for Calibration
- Suitable for different rope diameters and types
- 4 programmable alarm relays with or without analog output or CANopen
- Up to 12 rope sensors per evaluation unit
- Integrated slack rope alarm
- Permanent monitoring of the rope tensioning
- Equipped with USB interface and free software
- Hold input for Automatic compensation of compensating chains / rope weights

Weight Watcher Light



The weightwatcher light overload measurement system is particularly designed for its attractive price/performance ratio.

In just a few minutes, a complete rope set can be optimally adjusted using the integrated rope load assistant.

Permanent load tension monitoring reliably prevent unnecessary wear on traction sheaves and ropes.



Features:

- Extremely attractive value for money option
- Ease of installation
- Extremely compact rope load sensors
- Freely programmable output relays
- Measurements possible on up to 8, 12 or 16 ropes / belts / polyropes

Mobile Rope Load Measurement

Inadequately set ropes and excessive overall weights cause an undesired and premature wear. The weight watcher rope load measuring system allows ropes / belts to be set and lift car and counterweight loads to be weighed in no time at all.

The integrated rope setting assistant guides you through the rope setting procedure and records every measurement with a report that can later be printed out on the PC.

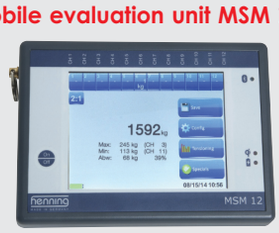
This makes the mobile weight watcher an optimum tool for your service work. Apart from weighing the lift car and counterweight loads, all single rope loads can be displayed and adjusted within a few minutes to their optimum settings using the integrated rope setting assistant.

Features:

- Measurement of single loads and total weight
- rope tension assistant / wizard for quick cable Adjustment
- Convenient menu with settings of the suspension variant, unit weight, tolerance
- Storage of complete documentation
- Color touch screen for easy operation
- Available in many languages (list available on Request and is constantly expanding)
- Advanced lithium-ion batteries l Bluetooth variants Extended / Premium can be Connected via android app with smartphones / tablet

weight watcher

Mobile evaluation unit MSM 12 :



Bluetooth



henning
MADE IN GERMANY

YANTRAA tech

The RideAnalyzer is a measuring unit with an intuitive operating concept allowing lift rides to be measured an analysed in a comfortable and fast manner. The easy-to-use unit combines measuring sensors and evaluation unit in one robust plastic casing. There is no need for a connection to a laptop or an external evaluation unit. Thanks to the automatic evaluation of the measurements it is possible to use the unit without any lengthy training / instruction and the information needed to adjust or troubleshoot the lift system is supplied very fast and at low cost. This makes the RideAnalyzer extremely useful for fitters, planners and experts. It is the ideal tool for a time-saving adjustment of new systems to check the ride characteristics and the installation and to pinpoint any malfunctions.

RideAnalyzer

The multimeter for ride profiles



Applications

- Documentation of the ride profile
- Setting the correct ride parameters
- Measuring the acceleration, deceleration, jerk and speed

Measurement features

- Acceleration and deceleration behavior in x, y, z axis
- Jerks and vibrations of the lift car
- Measurement of the ride profile Sensor Suite
- Easy and intuitive operation

Evaluation features

- Documents speed, acceleration, deceleration and jerk on the spot
- Automatic evaluation of measurements
- Graphical illustration of the driving profile in x,y,z
- Provides information on the location inside the shaft where a malfunction occurs
- Adjustment of individual limit values
- Makes out a report
- Stores measurements in files

LiftPC Mobile Diagnosis



LiftPC Mobile Diagnosis is a powerful measuring system of modular design, serving for mobile and flexible measurements of acceleration and ride quality of elevators. It is applicable with any laptop in connection with 3D Acceleration Sensor QS 3.0 or as a stand-alone solution. Data of acceleration and ride quality of the elevator can precisely be assessed in terms of the standards ISO 18738 and GB/T 10058-1997. LiftPC Mobile Diagnosis can be applied with rope-traction & as well as with hydraulic elevators.

Features:

- Internal power supply
- Internal memory
- Built in Bluetooth connection
- Android app
- QI-charging

Range of Application

- Documentation of the quality supplied by pre-post comparison
- Preparation of putting into operation and acceptance tests by the authorities
- Specific reaction to arising malfunctions
- Service and maintenance of the status quo can be applied with rope-traction elevators as well as with hydraulically operated elevators.

LiftPC Mobile Diagnosis for the:

- Ride comfort
- Measurement of escalators / moving Walks
- According to ISO 18738, part 2 (AddOn)
- Mobile Diagnosis

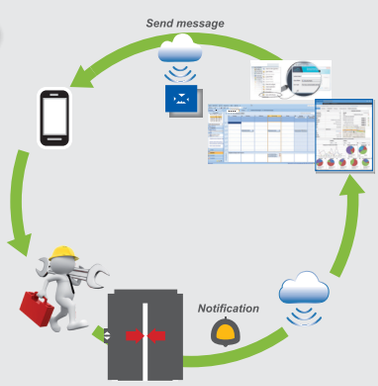
Condition Monitoring System For Elevators & Escalators:

The WEARwatcher is an acceleration sensor combined with an integrated analysis unit. This drives condition monitoring of the most important physical parameters of the elevator/lift. Problems and abnormalities are detected by WEARwatcher before they negatively influence the elevator/lift system.

WEARwatcher



- Modularly expandable
- Numerous sensors available
- Breakdown Probability
- Increase availability
- Prevention of defects
- Minimizing downtime
- Precise predictable maintenance
- Increasing the service life of components
- Control-system independent
- Boost in service quality
- Usage-based preventive maintenance
- Automated reporting
- Fault detection/availability
- Cybersecurity

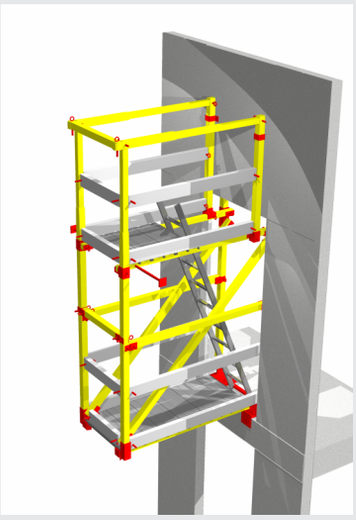


WEARwatcher core



- Easy installation (< 30 min)
- Breakdown Probability
- Increase availability
- Prevention of defects
- Minimizing downtime
- Precise predictable maintenance
- Increasing the service life of components
- Control-system independent
- Boost in service quality
- Usage-based preventive maintenance
- Automated reporting
- Fault detection/availability
- Cybersecurity

Stingl systems GmbH is a well-respected name in the specialised area of lift shaft and escalator equipment. Long-standing experience in the lift industry and complete customer-orientation enables us to guarantee the reliable execution of orders and just-in-time delivery .



Stingl Mobil PANO **Overhang Platform which can be used in various shafts.**

Stingl - *mobil PANO* can be installed at any shaft door opening independent of the number of landings. The areas of application range from panoramic lifts to all those lifts where the shaft walls cannot be used as fixing ground for platforms.

Stingl - *mobil PANO* is the perfect tool for installation of **machine roomless lifts** with machinery located in the shaft head as well as for **service and repair work** on existing units.

Unlike the conventional, static working platforms, Stingl - *mobil PANO* is designed for multiple use in shafts with **depths ranging from 1000mm to 2000mm** (in 250mm steps). The scaffolding is designed for a working load of max. 3 kN/m². It does not require a substructure.

The following scaffolding widths (working area) are available: 700 mm and 1000 mm. Due to the favourable properties Of GRP as well as an intelligent lightweight construction, installation can be performed by **one** trained person (e.g. elevator fitters).

In electric traction elevators that include VVVF drives, also known as inverters, the generated energy is wasted in the form of heat in a braking resistor.

ERS 2G is capable of storing this energy to return it to the same elevator thus reducing the consumption in the next trip or, if there is no immediate trip, supplying the standby energy of the drive until the energy stored is depleted.

The new ERS 2G it revolutionizes how an elevator consumes energy because the elevator actually **demands less energy from mains**. This is not the case with regenerative drives, with which the elevator consumes the same and then returns to the grid. Saved energy is **measurable** and can be communicated via CAN bus under request.

ERS 2G

plug & save

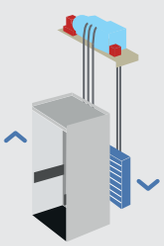
ENERGY RECOVERY SYSTEM FOR LIFTS



ADVANTAGES

- **More efficient lift**
- **Consumption reduction**
- **Meets market demands**
- **Easy installation (<1hour)**
- **For new or existing lifts**
- **Without feeding back into the gri (No THD problems)**
- **Supercapacitors require no maintenance or replacement**

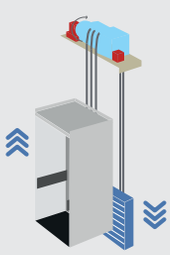
In a typical elevator, the cabin is counterweighted. When the counterweight goes down, the cabin goes up and vice versa.

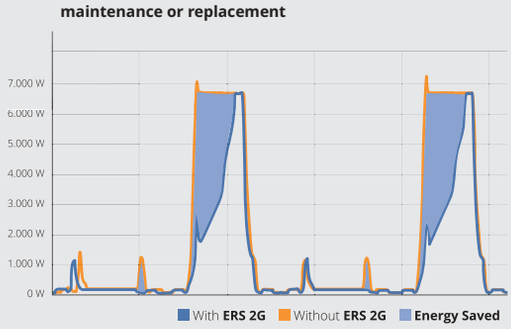


When the cabin goes down loaded, it weights more than the counterweight so the cabin goes down by effect of gravity and the elevator motor acts as a brake, generating energy



The same thing happens when the cabin goes up unloaded; in that case the counterweight is heavier, gravity moves it down and the motor generates energy again in the same way a dynamo does.







Other Products

Load Hook Systems

Various Anchors flat steel anchor , lifting loops , Anchor Points

Test Plates

The load testing anchor is used to verify bearing capacity of anchor / Shaft Ceiling

Pit Ladders

Stationary, inclinable aluminium ladder with contact-protected safety suspension

Plug-in Scaffolding Shoe

Allow the safe and simple installation of assembly platforms in lift

wurtec

YANTRAA tech

Wurtec – Collaborate – Innovate – Elevate

Wurtec is an American company with eight branch locations worldwide. Wurtec offers innovative solutions to all your vertical transportation needs. Their Innovative Solutions like False Cars, Rail Installation & Alignment Tools are helping Elevator Industry globally.

WORK DECK



Provides a safe, sturdy work platform when unfolded and supported between the landing sill and back wall of the hoistway. Folds into a small envelope for shipping, handling, and hoisting.

Currently configured for hoist ways between 69" and 96" deep, it can be easily modified to fit nearly any hoistway size or configuration. Standard platform size is 45" wide x 60" long with the deck constructed of non-slip aluminum planks. Openings in the platform floor can be created by cutting sections out of the floor planks and restacking them into the tracks provided. The tracks, along with a clamping mechanism, hold the planks securely in place.

Accessed by climbing approximately 4' up a ladder. Protected with a handrail system complete with kick plates. The entire Work Deck weighs only about 200 lbs, has a capacity of 600 lbs, and can be easily modified to suit special job conditions.

PLUMB LINE DROP TOOL

Lightweight aluminum tool that attaches to the landing to extend plumb lines into the hoistway. Adjustable to predetermined DBG locations. For DBGs of 72"-100". Custom sizes available.



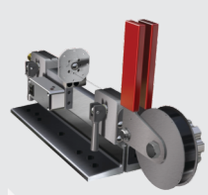
RAIL POINTER SET



For accurate alignment of rails. Set comes complete as shown and is ready to be fastened to 3/4" EMT conduit (not included) using the included U-bolts. Set is made from lightweight aluminum for easy handling. Adjustable gauge made from stainless steel for durability.

RAIL STRAIGHTNESS TESTER

Quick, accurate method for measuring elevator guide rail straightness. Comes in compact portable case and is composed of (3) sections: (2) rail end clamps (one with the wire spool assembly, which should contain approximately 100'of 0.015 steel wire) and (1) sensor block



JOINT ALIGNMENT TOOL



Allows you to clamp your rails into the correct position at the rail joint using the cam handles provided. Once the fish plate is tightened, the tool is removed, leaving you with a smooth and proper rail joint. Saves time and improves quality of rail joints. Works on all rail faces 3/8" to 1-1/4" thick. Made primarily of Aluminium .

wurtec

YANTRAA tech

V1 FALSE CAR



The Wurtec V1 False Car is a modular suspended work platform used for the installation of elevator rails and other elevator systems and assemblies. The False Car is powered by a platform-mounted hoist. The platform depth and width are adjustable through various size ranges depending on the model and configuration.
Made of lightweight, high-strength aluminium, the V1 False Car is a convenient solution for safe, fficient installation of hoist way equipment.

Key Features

- 1500 lbs (680 kg) capacity at 35 ft/min (10.7 m/min)
- Collapsible for easy storage and transport
- (4) separate braking systems when used as a complete system
- Made in the USA of lightweight, high-strength aluminum construction
- Available with canopy for overhead protection
- Thousands in use throughout the global elevator industry.

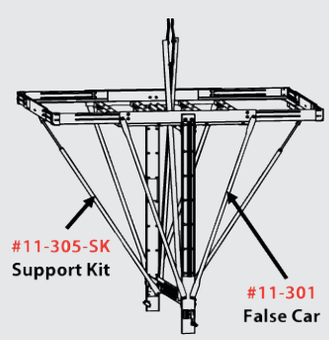
Version	DBG Range	Rail Sizes	Platform	Canopy	Handrails
11-301-INT	1000-1650 mm	8-10 mm, 16 mm, 19 mm	11-305-INT	11-357-INT	10-10020230
11-301-MID	1370-2160 mm	5/8", 3/4", 1-1/8", 1-1/4"	11-305-MID	11-357 10-10019359	10-10020327
11-301	1650-2750 mm	5/8", 3/4", 1-1/8", 1-1/4"	11-305	11-357 10-10019359	10-10020036

Load Table	Platform Area		
Lifting Height	≤ 2.5 m²	≥ 2.5 m² & ≤3.9 m²	≥ 3.9 m²-
Up to 140 m	363 Kg.	312 Kg.	250 Kg.
140 m to 200 m	342 Kg.	284 Kg.	222 Kg.
200 m to 300 m	294 Kg.	236 Kg.	174 Kg.

ADJUSTABLE PLATFORM

Load-rated, patented aluminium platform ideal for use with the Wurtec False Car. Adjustable for the same DBG and depth range as the False Car. Changing configurations and size is quick and easy. Once size is configured, a piece of plywood is used as the floor of the platform and secured under cleats along the inside edge. Platform has 4" (100mm) kick plate around perimeter designed to accept Wurtec's canopies and handrails. Custom sizes also available.





		Config. 1 in mm	Config. 2 in mm
11-305-INT 36 Kg.	Width DBG	1200-1630	1025-1550
	Depth	1010-1450	1200-1630
11-305-MID 58 Kg.	Width DBG	1690-2300	1470 - 1900
	Depth	1300-1800	1700-2190
11-305 66 Kg.	Width DBG	1850-2700	1630-2300
	Depth	1575-2300	1950-2700

Providing Elevator Installation needs Efficiently

Yantraatech is complete Solution Provider Company offering all Products & Services related to Installation & Measurement of Elevators.

We are aware that demand for lift companies and technicians to carry out Safe & Faster installation is now stronger than ever. At Yantraatech, we are consistently working on

- Putting together the Knowhow and developing the latest Method Statement.
- Our various Products & Services will help you in establishing highly efficient, safer & faster Installation process along with better Ergonomics for User.
- Making substantial contribution by offering products which will help you in the field of lift Installation, Ride Measurement & Maintenance.

Yantraatech continuously strives to bring modern technologies from across the Globe & make it available to our customers easily. With this idea in mind, we have tied up with few European / US companies who are world leaders in their field:

Material handling & Man Riding Hoist - DualLift GmbH , Powerclimber group.
Mobil PANO & Hoist Way Equipment - Stingl Systems GmbH.
Measurement Analysis Tools and Condition Monitoring System - Henning GmbH.
False car & Rail Installation & Alignment Tools - Wurtec USA.

Yantraatech provides:

- 3D Design Support for Method Statement including development of Hoist Bracket etc.
- Offering support during Proto Trials
- Our various products/ Services will also help in Installation process .
- Manufacture various other Mechanical / Electrical accessories required for making complete Toolkit
- Pit stop maintenance services for Elevator Equipments & Tools
- Annual Maintenance & Calibration Services
- Complete Certification Services by 3rd party Chartered Engineers

With a team of expert technicians & extensive inventory of spare parts, we have the fastest response and repair completion time for providing inspection, repairs, maintenance and testing services for Installation Tools. By Virtue of such Highly Efficient Services, Yantraatech is a Service provider to all major Elevator Companies in India.

-: Our Esteemed Customers :-

FUJITEC, KONE, MITSUBISHI ELECTRIC Changes for the Better, OTIS, TKE, Schindler, OMEGA ELEVATORS

Mob. : +91 96730 04188
Email : sales@yantraatech.in
Website : www.yantraatech.in
Factory : Gat No. 255/A, Jyotiba Nagar,
Talawade, Pune - 411 062. India.