

Powered by air



WALL-MAN[®] LIFTMAN[™]

Pneumatic access platforms
for paint spray booths and preparation areas



www.reglo.no

Why platforms?

WALL-MAN and LIFTMAN will improve your profitability by providing enhanced safety, productivity, working environments and finishing quality as well as direct cost savings.

How can we say this? Close cooperation with hundreds of customers through more than 30 years of operation confirms this statement. WALL-MAN and LIFTMAN are in everyday use in 40 countries worldwide. The Reglo network will continue to develop and further improve its products - for your long-time satisfaction.

One more thing: According to EU Directive 2001/45 working at height requires appropriate equipment. WALL-MAN and LIFTMAN are the answers.



Where & How?

WALL-MAN and LIFTMAN are durable and reliable access systems, requiring very little maintenance. They are designed to be used in flammable environments. One typical environment is paint spray booths, where the advantages of WALL-MAN can be fully utilised. Mounted on the side-walls, it provides access to the entire spray booth, leaving the floor free. An optimal working position enhances the quality of the finish and reduces strain and fatigue. Users report lower levels of sickness absence and improved transfer efficiencies along with reduced overspray yields direct cost savings.

In the preparation area, the LIFTMAN is the ideal companion to the WALL-MAN. Masking, sanding, smaller repair jobs and sign-writing/decal application are typical LIFTMAN tasks.

Both WALL-MAN and LIFTMAN are easy to operate, resulting in improved efficiency with significant time-savings.

Your benefits

- Better **safety** for the operator
- Improved **quality** of finish
- Enhanced **working environment**
- Direct **cost savings**
- Increased production **efficiency**
- Higher **profitability**

Commercial Vehicles



Railways



Bus & Coach



Aircraft



Industrial



Military



Paint booth manufacturers



Others



Segments & Adaptability

WALL-MAN is an engineered product with great adaptability, being used in many applications. Made to order, the wide model range and numerous accessories and modifications makes WALL-MAN the best choice for any painter.

Commercial Vehicles Commercial heavy utility vehicles have traditionally been the most important area of use for the WALL-MAN and LIFTMAN access platforms. Manufacturers, body builders and repair and maintenance shops all over the world have found WALL-MAN to be the optimum work platform in their spray booths/ paint shops.

Rail There is a marked and continuing increase in the proportion of WALL-MANs sold to manufacturers of rolling stock (trains, trams and light rail vehicles). More and more people are discovering the advantages of fast and flexible three-dimensional movement; left/right, up/down and in/out. WALL-MAN can be modified to meet special requirements, for example extra door in the front.

Bus & Coach WALL-MAN and LIFTMAN access platforms were initially designed for buses and lorries. Small maintenance shops as well as large international manufacturers of buses and coaches have put the excellent properties of the Reglo platforms to good use. Adaptation to each individual cabin and ideal distance to the objects are features that ensure economy and a perfect finish.

Aircraft Painting of very expensive aircraft components requires extremely high accuracy of workmanship. This places great demands on personnel access platforms in terms of manoeuvrability. The WALL-MAN provides the required accuracy in that the operator has full control of left/right, up/down and in/out movements using the ergonomically correctly placed joy-sticks.

Industrial WALL-MAN and LIFTMAN access platforms are now being used by an ever increasing number of businesses. From the biggest wind turbine blades to the smallest parts hanging on the conveyer – from conventional coating of large surfaces to powder-coating of open steel structures – WALL-MAN and LIFTMAN platforms can be adapted for most situations in which paint is applied.

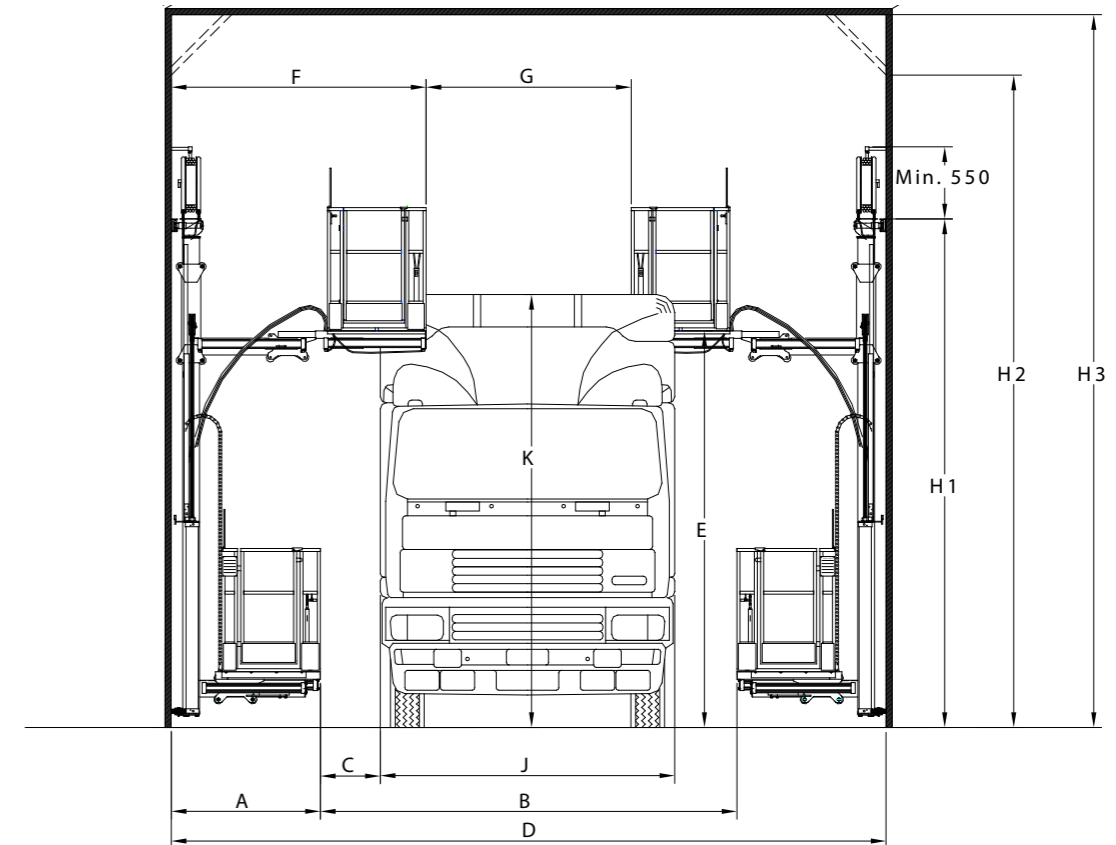
Military From Korea via the Falklands to the UK the WALL-MAN is valued by the defence sector due to its reliability and modest maintenance requirements. In addition to paint application, the defence sector uses the WALL-MAN for several other tasks.

Paint Booth Manufacturers After 30 years on the market, the WALL-MAN has been approved by most manufacturers of paint booths in most locations worldwide. The WALL-MAN is widely recognised for its reliability and long service life, and can be installed in the vast majority of paint booths.

Other uses We are always discovering new applications for the WALL-MAN concept. Examples are powder painting of large objects and jet-cleaning of large pieces of machinery.

Scania, Volvo, MAN, Mercedes, Evobus, Neoplan, Airbus, Eisenmann,
 Dürr, ABB, EADS, Lockheed Martin, Ashok Leyland, Bosch Rexroth,
 Hyundai, Niehoff, Ziegler, Cummings, GE Jenbacher, Broshuis, Achleitner,
 Alucrom, Semat, Vestas Blades, Sagbel, Faun, Gouweleeuw, Railcare,
 Uralskiye Lokomotivy, Plaxton, Volvo Buses India, ÖBB, GoNorth East,
 Wabtec Rails, Doosan Infracore, VBK Karlsruhe, BVG Berlin, Transdev,
 Taleres la Camina, ABC Motors, Ponge, Rosenbauer, BNS Container,
 Charlatte, SAM, Librelato, Haslmeier, SKET, Areva, Irisbus, Spoth,
 Geraer, Solea, Geinsa, Herrenknecht, Terex, Kaltenbach, RENFE,
 JCB Excavators, Siemens Wind Power, De Lijn, Deutsche Bundesbahn,
 London Underground, Russian Rail, Oslo Sporveier, Airport Link, Karosa,
 Voith Turbo, Enercon, JMF, Ekeri, Lohr, Torzhok, Wrightbus, Remmers,
 Schmitz Cargobull, Marshalls, Mittal, Randon, HTM Rail, Urianstad, DVB,
 Fiberblade, Tyllis, KSL Motorhomes, Bombardier, DSB, Linssen Yachts,
 Onyx, Solaris, Trinity House, Beulas, Bogestra, Dundee City, Nissan,
 CAF, Litab, Luchtenberg, Alstom, Nexus, Leyland, Geesink, Irizar,
 Göteborg Sporveier, ESA, Metso Minerals, RAF, Schwarzmüller, Tammer,
 John Deere, BAE Systems, Rolls-Royce, Monorail, Belarussian Rail,
 Salzburger Verkehr, Bussbygg, First Bus, Aeronautica, GVB Amsterdam,
 Grazer Stadtwerke, Komatsu, Caterpillar, Kristiansands Auto, Åkerman,
 Finnish state railways, Holmestrand Lakkering, SJ, Säffle Karosseri,
 Arabian Electro, Postens Verksted, Aabenraa Karosseri, Kowloon,
 Daewoo, Izusu, S-Bahn Berlin, Warsteiner Brauerei, Lyngdal Karosseri,
 Sandvik Tamrock, British Aerospace, Rippert, SNCB, Kühne, van Hoecke,
 STAS, Uralmash, Techrite, San Antonio Bus, Leaside Bus, H & D,
 Buch, Närko, etc. etc.

Model range **WALL-MAN®** Series 9 and 10



WALL-MAN		Distance from wall 1)		Cage size 2)	
Standard models	Axis	Min (A)	Max (F)	Width	Depth
400/100 3)	3D	835	1235	900	520
500/100 3)	3D	885	1385	900	570
600/100	3D	935	1535	900	620
700/100	3D	985	1685	900	670
800/100	3D	1035	1835	900	720
900/100	3D	1085	1985	900	770
1000/100	3D	1135	2135	900	820
1100/100	3D	1185	2285	900	820
1200/100	3D	1235	2435	900	820
1300/100	3D	1285	2585	900	820

- 1) Offset possible up to 250 mm - longer reach possible with brackets
- 2) Cage width can be extended up to 1200 mm
- 3) One door only

Lifting height (cage floor - E) all standard models 3275 mm - can be extended up to 4525 mm

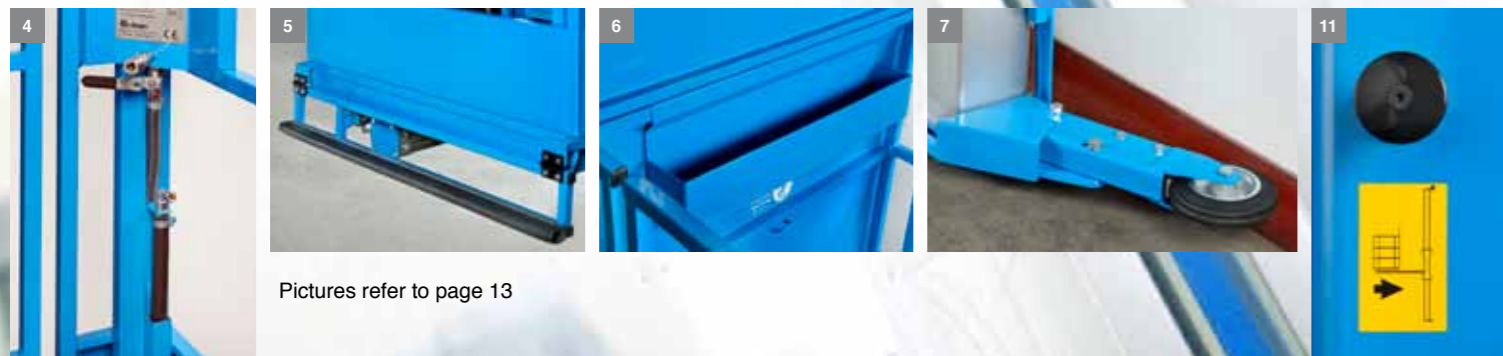
Features & Specifications

WALL-MAN[®] Series 9 and 10

- Design:** Mounted on the wall – no contact with the floor, ergonomic operation
- Construction:** Welded steel
- Finish:** Two-pack paint RAL 5015
- Energy:** Entirely pneumatically operated
- Functions:** Three dimensional movement; up/down, in/out, left/right
- Characteristics:** Easy to install, minimum of maintenance
- Models:** From 400 to 1300 mm telescopic extension – lifting height (floor of cage) up to 4,5 m
- Working area:** Up to 6,5 m from floor; 3,5 m from wall
- Payload:** 150 kgs (one person + equipment)
- Controls:** Inside cage: Up/down, in/out, left/right
At ground level: Up/down, in/out (Series 10)
- Brakes:** Brake system in rail for steady positioning. Brakes on lower support wheels (Series 10)
- Air supply:** Min. 6 bar, min. 350 ltr/minute supplied via hoses on self-retracting reels or via energy chain. A compressed air outlet for air tools as well as an extra air outlet for breathing air (Series 10) are provided in the cage.
- Imposed loads:** Upper rail: Vertical load approx. 420 kgs, horizontal load approx. 120 kgs.
Lower support wheels: Vertical load 0 kg, horizontal load approx. 120 kgs.
(Model 1000/100 – std. lifting height)
- Approvals:** CE and UL certified.
- Safety features:**
- Up/down:
 - Safety flow restrictors in case of air loss
 - Loose chain stop / chain straighter
 - Safety factor 11 on lifting chains
 - Safety chain on air supply
 - Chain slack protection
 - Sideways:
 - Brake system for steady positioning
 - Guide rollers to avoid threshold
 - Rubber stoppers in rail
 - Loss of pressure allows manual movement
 - In/out:
 - Pressurized cylinders for steady positioning
 - Loss of air pressure allows manual movement
 - Miscellaneous:
 - Non slip floor in cage
 - Signal horn
 - Chain protection panels
 - Hook in cage for safety harness
 - Self closing hinges
 - Self closing latches
 - Emergency lowering

Accessories and modifications: See page 12/13 for options.

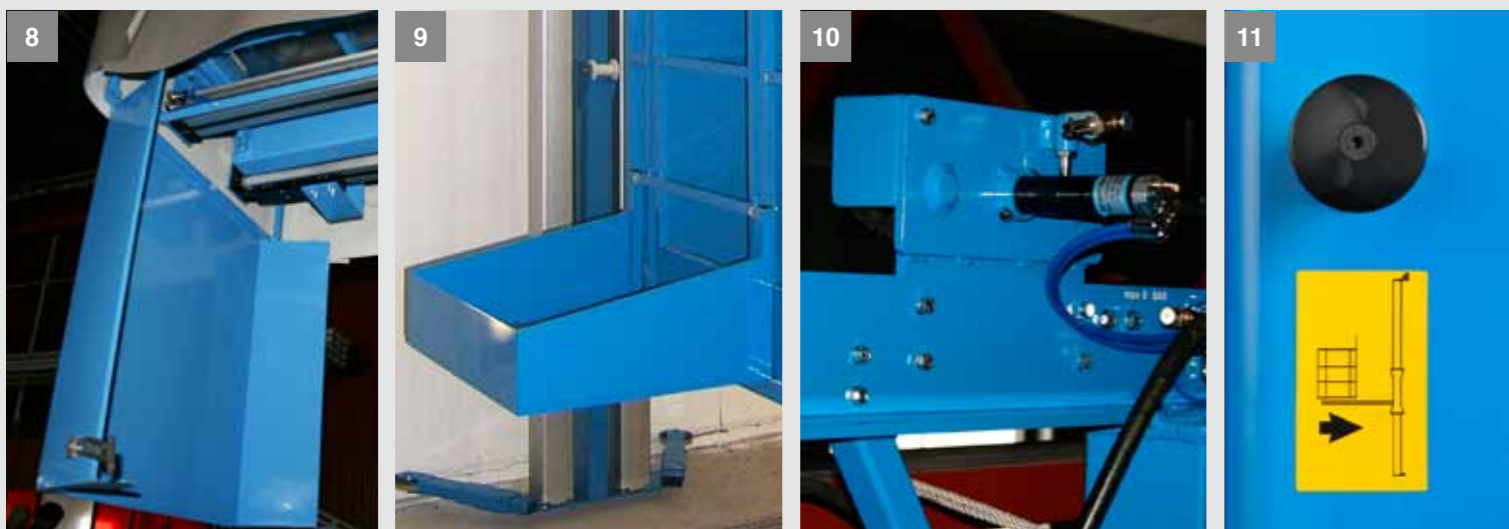
Some features being standard on Series 10 may be ordered as options on Series 9.



Pictures refer to page 13



Accessories & Modifications



- 1 Rail pivot – to pass dividing door. Various solutions.
- 2 Foot pedal – as supplement to the three joy sticks
- 3 Access step to cage when needed
- 4 Breathing air in cage (Series 10)
- 5 Automatic stop when telescoping out (Series 10)
- 6 Tool tray on back wall of cage (Series 10)
- 7 Brakes on lower support wheels (Series 10)
- 8 Protection under cage
- 9 Shelf 600x625 mm for paint pot etc.
- 10 Chain drive – when upper rail is slippery
- 11 In/out movement operated from floor (Series 10)
- 12 Floor guidance of lower support wheels
- 13 Fixing bracket for various hose reels
- 14 Collision protection on top of mast when more than one WM on same rail
- 15 Hose guide arms for various hose reels

In addition the following features can be delivered:

- Automatic pneumatic operation of pivot when passing dividing door
- Various rail brackets – to enable mounting in almost any booth
- Increased width of cage – up to 1200 mm
- Brackets and trough support for air supply through cable chain
- High torque air motor – for special requirements like long distances etc.
- Extra emergency lowering on opposite side from standard
- Doorstopper – to avoid collision when personnel door is opened
- Extra door in front of cage
- Multi wheel lower support wheels – when passing more than one personnel door
- Wider distance lower support wheels – for extra wide personnel doors
- Multi wheel slide - for extra stability
- Higher guarding back plate
- Higher cage rail
- Protection of lower support wheels
- Trailer for paint pot etc.
- Various brackets for tools in cage
- Other extras as per agreement



Features & Specifications LIFTMAN™

LIFTMAN™ specifications:

Design: Fully mobile

Construction: Welded steel

Finish: Two-pack paint RAL 3002

Net weight: 385 kg

Payload: 140 kg (1 person + equipment)

Lifting height: Floor height 2.750 mm

Working range: Up to 10 m from air connection point

Controls: Lifting: Hand-lever valve in cage

Driving: Foot pedal on cage floor

Steering: Hand-lever valve in cage

Air supply: Min. 6 bar, min. 350 l/minute supplied via a 10 m air hose on a self-retracting reel in the base. A compressed air inlet for air tools is provided in the cage.

Approvals: CE certified

Features:

- Entirely pneumatically operated
- Steering and driving independent of height
- Selfcentering steering
- Occupies a minimum of floor space
- Sharp turning circle for easy access
- Controls and air inlet inside the cage
- Twin wheels as option
- Delivered ready-to-use



Who we are

Reglo AS, headquartered in Andebu, Norway, manufactures the pneumatically operated access platforms WALL-MAN and LIFTMAN for worldwide distribution. In the early 80's, Reglo's founder, Mr. H. Elvstedt, began developing new ways to improve spray booth safety and productivity. Together with the designer of LIFTMAN, Mr. S. Ellefsrød, the key Reglo innovation was developed; the same compressed air used for painting can drive pneumatically powered access systems for personnel. Since then Reglo has maintained a leading position in this segment.



Located near the regional airport Sandefjord Torp and working with a large network of qualified distributors worldwide Reglo is always close to the customers.



Reglo as • Andebu Næringspark • NO-3158 ANDEBU • Norway

Tel.: +47 33 43 02 80 • Fax: +47 33 43 02 81

info@reglo.no • www.reglo.no