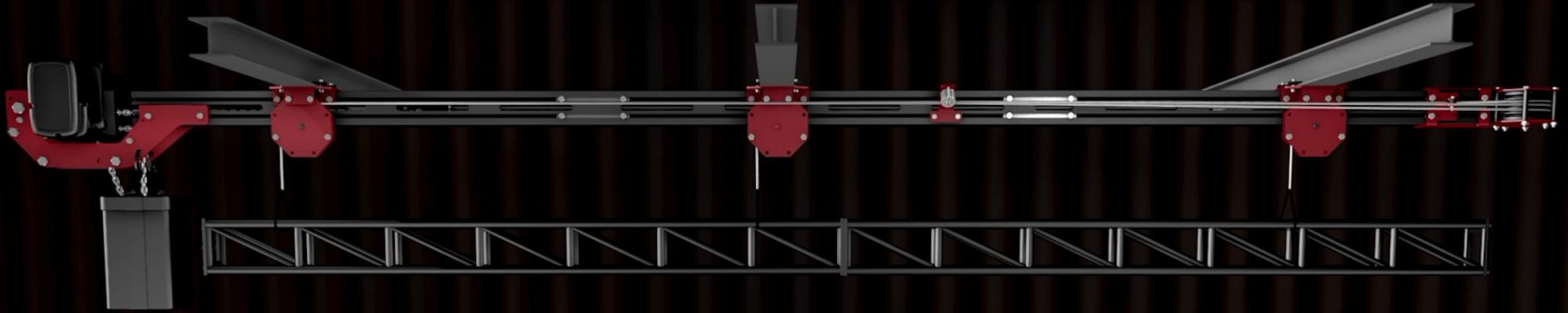


FLEX BEAM

Modular Lifting Solution

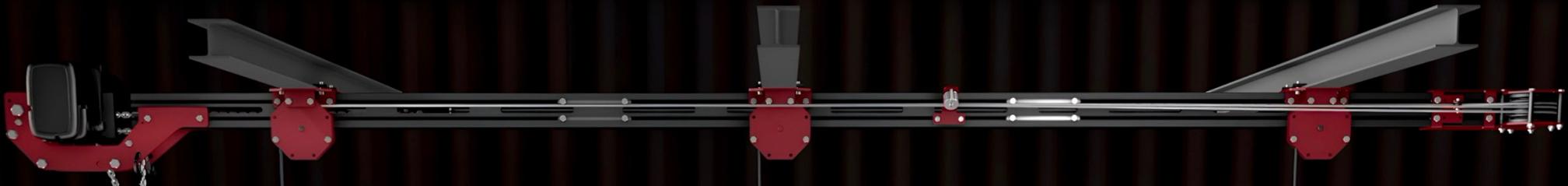
Vers. 1.00 | Copyright © 2024 PSRIG



psrig.com/flexbeam



FlexBeam introduction



FLEX BEAM

FlexBeam is our self-developed, innovative, and modular lifting system for motorized fly bars. The solution is particularly suitable for small to medium-sized projects and is characterized by its modular construction, compactness, time-saving installation process, and long-term reliability.

We originally created the concept of the FlexBeam system to fit renovations within tight ceiling spaces above stages where you, for various reasons, could not reinforce the roof structure. We needed to craft a solid solution that carried and dispersed the forces within itself.

Our solution was to build the entire construct within and around a 100x100mm aluminum profile. The torsion-resistant aluminum profile is designed to keep all the horizontal forces within the FlexBeam to enable heavier workloads while providing a compact and elegant finished installation.

The modularity of our solution enables the client to use any entertainment hoist on the market, but we highly recommend using chain hoists from GIS. The system's wires run internally in sound-dampening plastic tracks, which minimizes noise, provides a tidy installation, and ensures that the wires run freely. The drops then take place at a corresponding number of pulleys evenly distributed along the aluminum profile.

Another big advantage of the FlexBeam is the pre-assembled delivery. The modular system is delivered in sections up to six meters long and is quickly joined together to custom lengths. It is then easily lifted into place on-site, saving both time and money for the client.

The FlexBeam's ability to adapt to complex site properties makes it great for tailor-made installations. The individual sections can be cut and combined to any custom length and be equipped with options such as movable beam trolleys, slack guards, built-in load monitoring and wireless control systems. All these properties make the system an ideal solution for a multitude of different lifting needs.



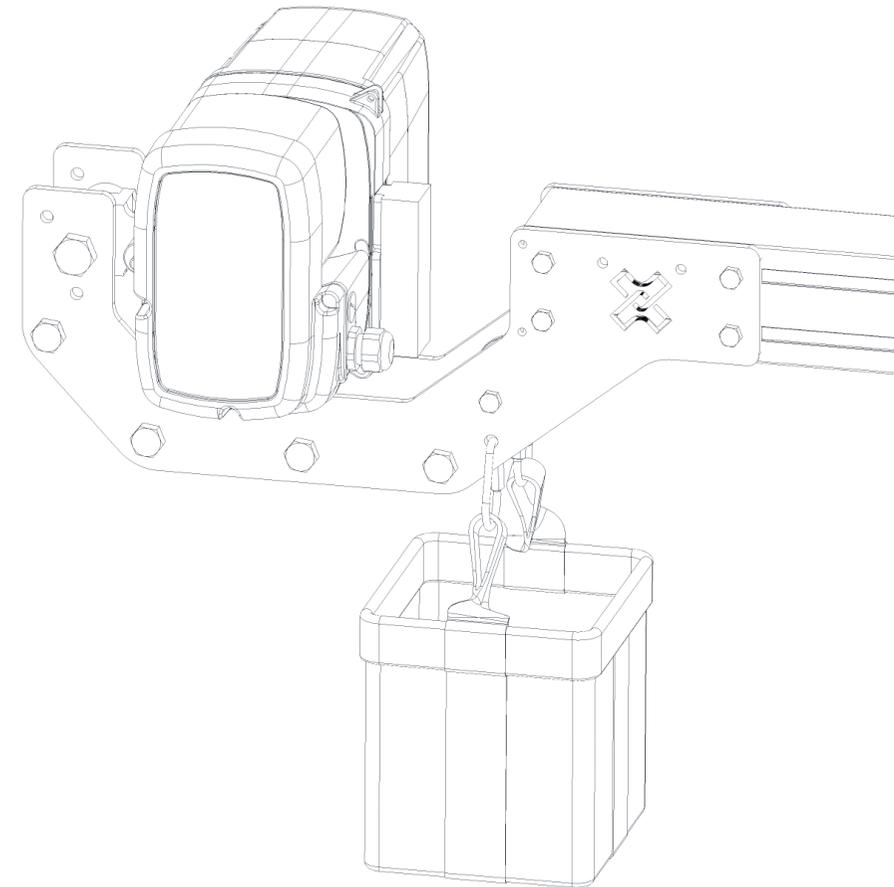
Watch our animated FlexBeam short at youtu.be/qND1K6K00Uw

FlexBeam specification



Technical details

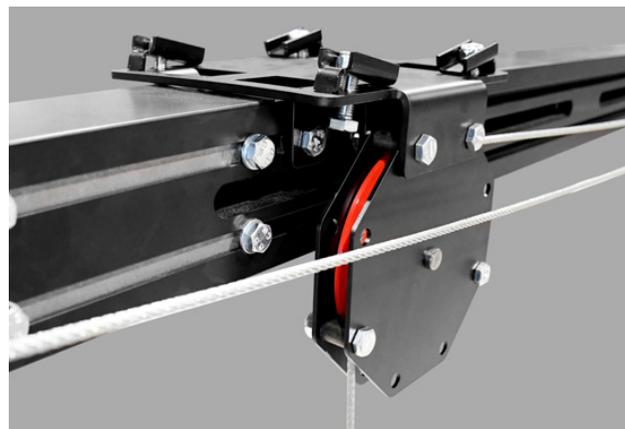
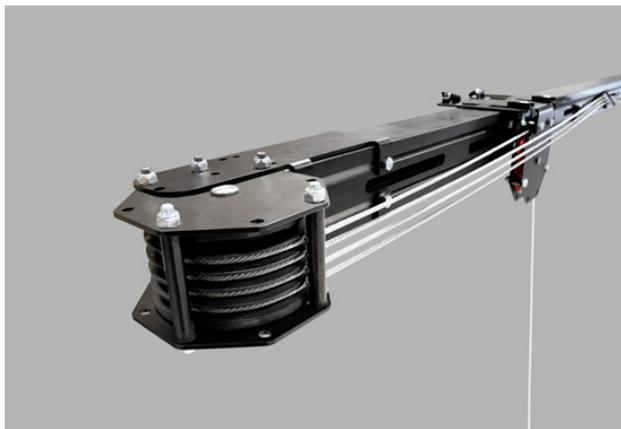
- Aluminum profile – W: 100 mm x H: 100 mm
- Material: EN AW 6063 – T6
- Available in sections up to 6 m
- Self-weight: 6,2 kg/m + accessories
- Up to 1000 kg lifting capacity
- Up to 12 m/min lifting speed
- The total length of the beam corresponds to its maximum lifting height
- Matte black powder-coated (custom colors available on request)
- Inspection slots on both sides with sidetracks for cabling
- For up to 6 pieces of single wire or 8 pieces of double wire
- All parts are integrated within and around the profile
- Can be used with all types of chain hoists



FlexBeam configurations



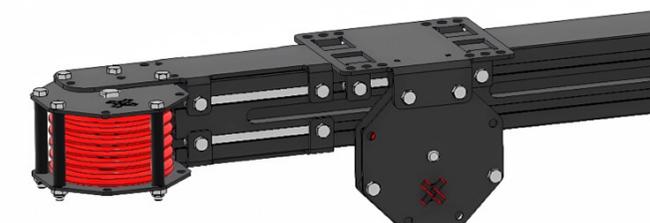
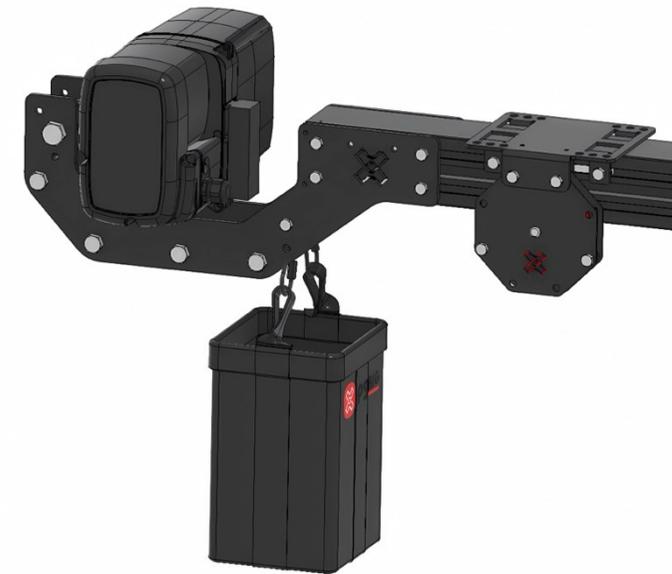
Standard configuration	Additional options
<ul style="list-style-type: none">• Integrated fixing clamps for 100-200 mm H-beam• Motor mount adapted for your model of chain hoist• Line collector adapted for your model of chain hoist• 5 mm steel wire (6 mm on 500-214806)• Ball-bearing pulleys in nylon Ø125mm• Complete with joints between the sections	<ul style="list-style-type: none">• High-quality chain hoist from GIS• Wire slack guard integrated in pulley• Chain slack guard integrated in hoist• Load pin on return pulley• Up to 4 pairs of wires for lifting truss (8 wires)• Black wire ropes• Installation on movable beam trolleys• Fly bar / batten or your choice of truss



FlexBeam predefined variants



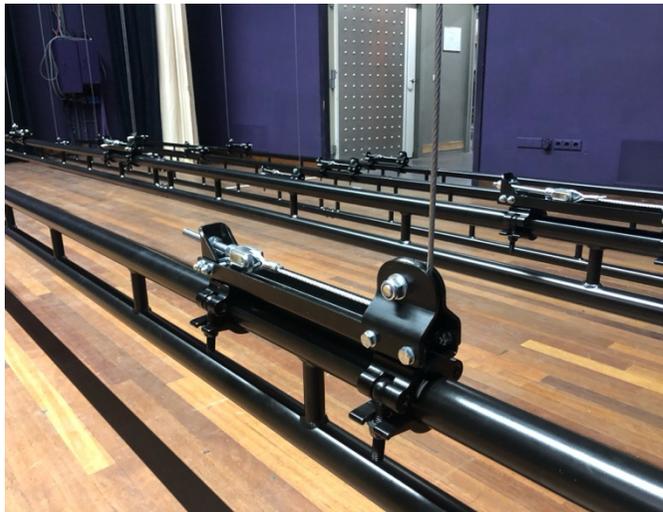
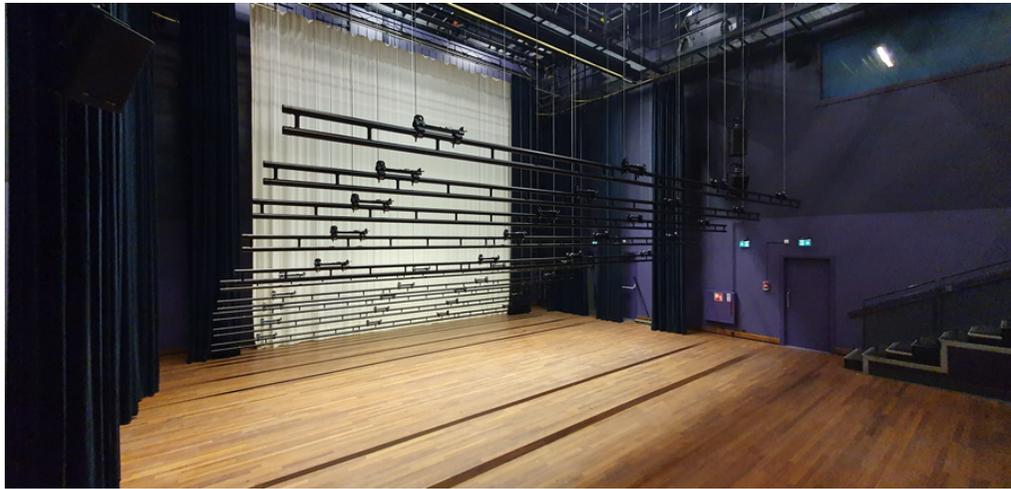
Art. no.	Max load	Beam length	Fly bar length	Wire	Drops	Lifting height
500-214706	250 kg	6 m	7 m	5 mm	3	Up to 5,5 m
500-214708	250 kg	8 m	10 m	5 mm	4	Up to 7,5 m
500-214710	250 kg	10 m	11 m	5 mm	4	Up to 9,5 m
500-214712	250 kg	12 m	14 m	5 mm	5	Up to 11,5 m
500-214714	250 kg	14 m	14 m	5 mm	5	Up to 13,5 m
500-214716	250 kg	16 m	15 m	5 mm	5	Up to 15,5 m
500-214806	500 kg	6 m	7 m	6 mm	3	Up to 5,5 m
500-214808	500 kg	8 m	10 m	5 mm	4	Up to 7,5 m
500-214810	500 kg	10 m	11 m	5 mm	4	Up to 9,5 m
500-214812	500 kg	12 m	14 m	5 mm	5	Up to 11,5 m
500-214814	500 kg	14 m	14 m	5 mm	5	Up to 13,5 m
500-214816	500 kg	16 m	15 m	5 mm	5	Up to 15,5 m
500-214900	Custom	Custom	Custom	Custom	Custom	Custom



FlexBeam installation pictures



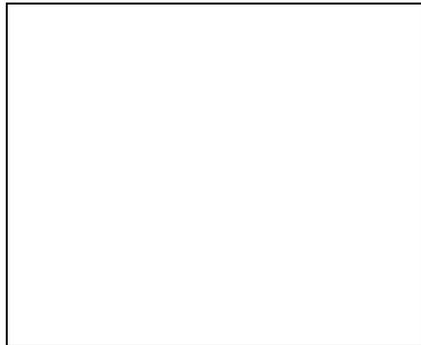
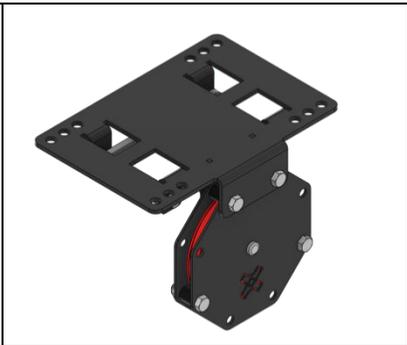
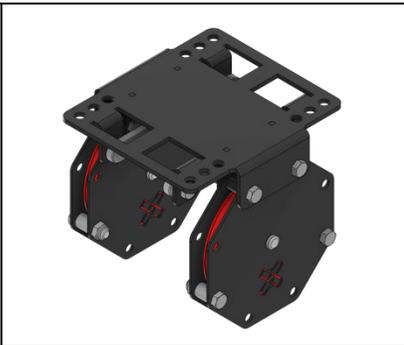
Below, some pictures from our FlexBeam installation at the (somewhat purple) black box in the culture center LUX in Nijmegen, the Netherlands.

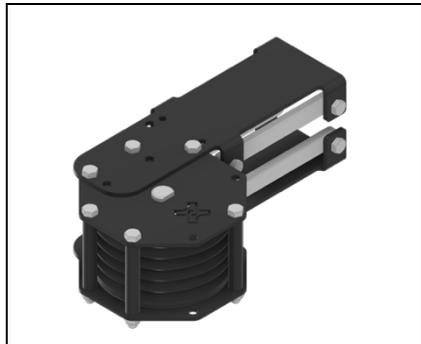
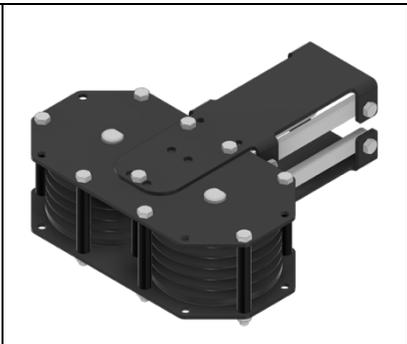
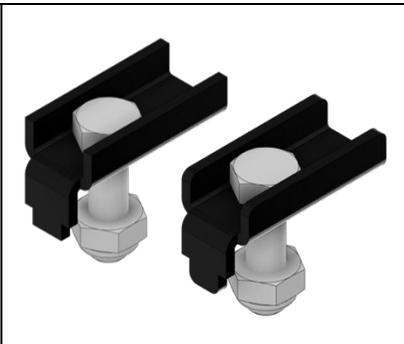
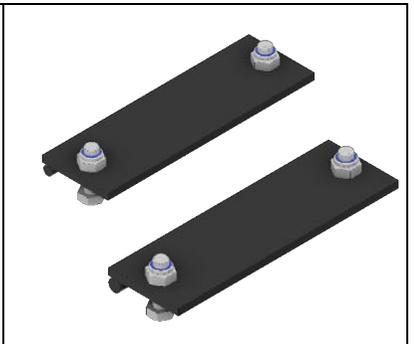


 For more information visit https://psrig.com/featured_item/lux-nijmegen-the-netherlands/

FlexBeam component overview (1/5)



				
Aluminum profile complete with plastic guides	Drop pulley, for 100-140 mm beam	Drop pulley, for 160-200 mm beam	Double drop pulley, for 100-140 mm beam	Double drop pulley, for 160-200 mm beam
500-214103 (3000 mm) 500-214106 (6000 mm)	500-214310	500-214311	500-214312	500-214357

				
Return pulley, 5-pocket	Return pulley, 6-pocket	Double return pulley, 6-pocket	Beam clamp	Beam clamp heavy duty
500-214330 (right-handed) 500-214331 (left-handed)	500-214335 (right-handed) 500-214336 (left-handed)	500-214332	500-222101 (10 mm flange) 500-222102 (8 mm flange)	500-222150 (8 mm flange) 500-222151 (10 mm flange)

FlexBeam component overview (2/5)

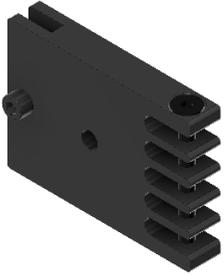


				
Motor bracket LP500	Motor bracket LPM250/ LP500, loadcell	Motor bracket LP1000	Motor bracket LPM250	Motor bracket LP1000, loadcell
500-214350	500-214451	500-214452	500-214453	500-214454

				
Motor bracket angled LP250	Motor bracket angled LP500	Motor bracket angled LP250/ 500, loadcell	Truss bracket, 1 T clamp	Truss bracket, 1T pipe clamp
500-214456	500-214457	500-214458	500-336545	500-336548

FlexBeam component overview (3/5)



				
Line collector assembly LPM250/500	Line collector assembly LPM250/500, 6-8 wire	Line collector assembly LP1000	Line collector assembly LP1000, 6-8 wire	Profile section beam joints
500-214530	500-214531	500-214532	500-214533	900-210005

				
Steel rope 5 mm, 7x19 (different lengths)	Steel rope 6 mm, 7x19 (different lengths)	Steel rope support wheel	Steel rope support wheel, 3-pocket	Steel rope support wheel, 6-pocket
802-24161X	802-24163X	500-214350	500-214353	500-214356

FlexBeam component overview (4/5)



			
<p>GIS LPM250 D8+ LOW VOLTAGE</p> <p>3x 400 V / 50 Hz, control voltage 42 V IP65 and 65 dBA Weight unequipped: 13 kg Load capacity: up to 250 kg</p> <p>801-211003-P1</p>	<p>GIS LPM250 D8+ DIRECT CONTROL</p> <p>3x 400 V / 50 Hz IP65 and 65 dBA Weight unequipped: 13 kg Load capacity: up to 250 kg</p> <p>801-211003-P5</p>	<p>GIS LP500 D8+ LOW VOLTAGE</p> <p>3x 400 V / 50 Hz, control voltage 42 V IP65 and 60 dBA Weight unequipped: 23 kg Load capacity: up to 500 kg</p> <p>801-211015-P1</p>	<p>GIS LP500 D8+ DIRECT CONTROL</p> <p>3x 400 V / 50 Hz IP65 and 60 dBA Weight unequipped: 23 kg Load capacity: up to 500 kg</p> <p>801-211015-P5</p>

FlexBeam component overview (5/5)

		
<p>GIS LP1000 D8+ LOW VOLTAGE</p> <p>3x 400 V / 50 Hz, control voltage 42 V IP65 and 75 dBA Weight unequipped: 51 kg Load capacity: up to 1000 kg</p> <p>801-211026-P1</p>	<p>GIS LP1000 D8+ DIRECT CONTROL</p> <p>3x 400 V / 50 Hz IP65 and 75 dBA Weight unequipped: 51 kg Load capacity: up to 1000 kg</p> <p>801-211026-P5</p>	<p>Truss assortment (different lengths/diameters)</p> <p>500-222440 (steel pipe) 823-332301 (ladder) 823-333301 (triangle) 823-334601 (box)</p>



GET IN TOUCH

Priebe-ScanRig AB

HEADQUARTERS
Ridspögatan 15H
213 77 Malmö
Sweden

WORKSHOP/WAREHOUSE
Malmgatan 18
602 23 Norrköping
Sweden

+46 10-211 50 50
sales@psrig.com
www.psrig.com

The information in this document is current as of the printing date, and every effort has been made to ensure its accuracy. However, no guarantee of accuracy is made or implied. PSRIG reserves the right to update its equipment designs at any time. The final product may, therefore, differ from the various illustrations included in this promotional document.