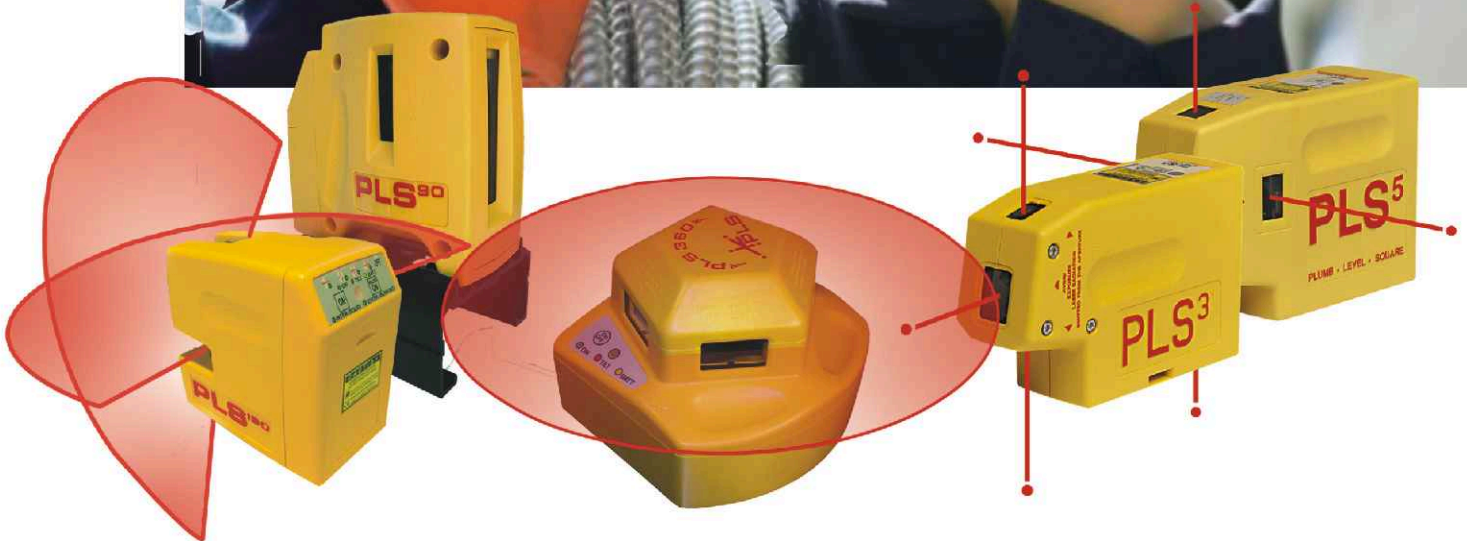




Pacific Laser Systems
the professional standard

The Power of Quality **INDSIDE**



**PLS Power Laser - Quality that fits in your Hand.
Compact. Powerful. Robust.**

User friendly and compact

- Very easy to use self explanatory control panel
- Simple controls one button operation
- Ergonomically formed, light weight and compact

Superior line visibility, wide working range

- Crystal clear, laser lines and dots
- Up to 30m inside
- Min. 60m outside (in pulsed mode and with laser receiver)

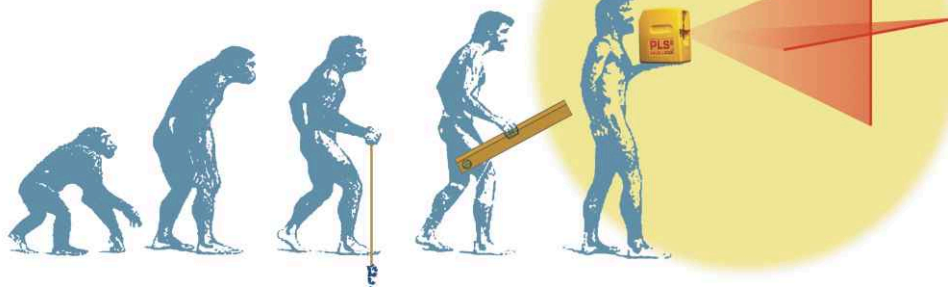
Absolutely precise in every application

- For precise setting of line, level, plumb and 90 degree angles
- Excellent magnetic damping, ready in > 1sec.
- Self levelling with highest accuracy:
tolerance <3mm@10m / respective <1mm@10m
depending on model

Robust, reliable and long lasting

- Made by craftsman for craftsman
- Shock proof
- Dust and water protected
- Special PLS Impact Protection Concept IPC
- Highest quality and accuracy due to intelligent design

Evolution on jobsite



Stone age ?!
Predecessor of
the plumb levelplomada

France 1666
Jean de Thevenot
develops the liquid
filled bubble level
with the principle
that is still used today

21. Century
Fully automatic
self levelling laser tools
on pendulum principal
revolutionize the work
process at the jobsite

After almost 400 years
it is high time
for real innovation

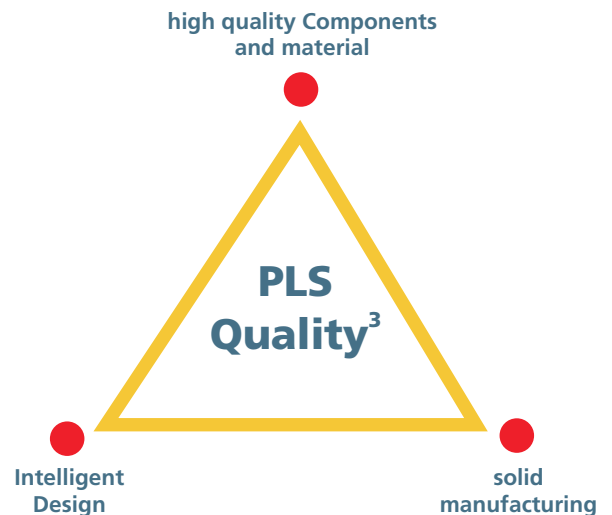
Quality – 3 times we have set the standard !

If layout and levelling is part of your daily job,
If level and plumb are taking too much time and labour intensive,
If only highest quality, precision and efficient work counts on your job – then you need a robust, powerful and absolutely reliable tool.

PLS Pacific Laser Systems (USA) have been developing and manufacturing high quality laser tools for almost 15 years and have set the standard for the construction market PLS laser products are the most visible and accurate laser tools in their class.

As soon as you put the PLS laser in your hand you can feel the quality compactness and reliability.

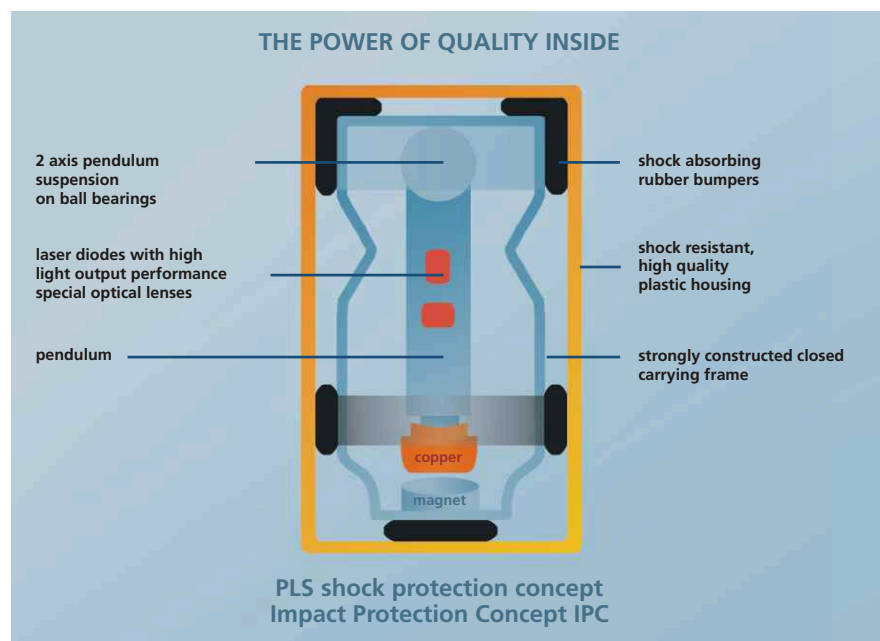
And we know from experience the needs of the professional tradesmen we design, develop, final assemble and test our products in house as this ensures to maintain our high quality standards and provide the users with precise reliable tools.



IPC – Save Protection comes from inside

The optical precision module is being protected by an intelligent

- The high precision optics are protected by the PLS Intelligent Protection Concept (IPC)
- The pendulum is mounted in a closed frame, which is supported on rubber bumpers in the plastic housing. Shock energy is absorbed by this system, similar to a car suspension.
- The magnetic dampened pendulum system is working to the highest precision and is ready for use in less than a second. This means: you press the button and immediately get crystal clear laser lines or dots with an accuracy of <1mm @10m or <3mm @ 10m depending on which model.



TECHNICAL OVERVIEW

Model					
Product name	PLS 180	PLS 90	PLS 360	PLS 3	PLS 5
Type	line lasers			point lasers	
Levelling	fully automatic self levelling on pendulum principal				
Light source	semi conductor laser diode 630-650 nm				
	2 x	2 x	5 x	1 x	1 x
Laser class	Laser class 2 (IEC 60825-2001.11)				
Range inside	up to 30m				
Range outside	min. 60m – in pulsed mode with laser detector (expert PLS 5)				
Accuracy	±3mm@10m	±1mm@10m	±1mm@10m	±3mm@10m	±1mm@10m
Optical angle	> 180°	90°	360°	-	-
Compensation range	± 6°	± 6°	± 8°	± 6°	± 8°
Magnetic dampening	ready for use in less than a second				
Operating time hours	1 line = 25, 2 lines = 12	25	35	30	30
Working temp.	Entre -20 °C y + 50 °C				
Storage temp.	Entre -20 °C y +70 °C				
Protection	IP52				
Projection	horizontal, vertical, cross, free turnable	2 x vertical in 90° with plumb down	360° round horizontal	3 axis up, down front	5 axis up, down, front left, right
Thread	1/4"	1/4" + 5/8"	1/4"		
Tilt	turns off laser light if out of compensation range				
Power source	3 x 1,5V AA		3 x 1,5V D	3 x 1,5V AA	
Dimensions	85x52x84	130x69x128	diameter 150 height 97	125x41x83	174x66x118
Weight incl. batteries	320 g	550 g	900 g	350 g	600 g
Optional accessories	<p>PLS SLD receiver for outside use with the PLS 180 in pulsed mode</p>	<p>PLS LD receiver for outside use with the PLS 90 and PLS 360 in pulsed mode</p>			<p>PLS thunder</p>



The superlative Power Package

NEW

Horizontal



Typical
cross line
lasers



PLS 180
free standing
in the room



PLS 180
with its back
against a wall

Vertical Typical cross line lasers

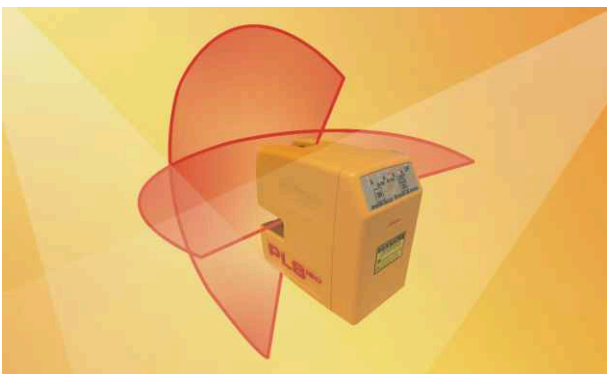


PLS 180
free standing
in the room



PLS 180
with its back
against a wall

Due to the unique design of the PLS 180 optics the length of the laser lines are not reduced with the size of the job!



Power Laser PLS 180 – The new star in the laser universe

The new PLS180 from Pacific Laser Systems is again setting the standard in the market for self levelling laser tools.

The laser line angle – free standing is more than 180°. With the back against a wall it will project a line all round the room horizontally and vertically. In pulse mode with the optional sensor it is suitable for outside use.

- Horizontal, vertical or cross laser lines – PLS 180 replaces bubble vial level and plumb bobs.
- If you over ride the “shut off when out of compensation range” you can use it as a electronic chalk line
- Special technology with conical lenses for extraordinary wide illumination angle and brilliance
- High accuracy - +/- 3mm@10m
- ¼ inch thread for mount of accessories

Applications:

All types of interior installation where level, line or plumb is required for Ceilings, partitioning, ducting, glazing etc.

And with the optional sensor can be used outside for general construction applications

Set: Art. Nr. 605219 and optional PLS SLD

Power laser PLS180; magnetic holder, carrying pouch, carrying case with mould also for PLS SLD

PLS line lasers

Power Laser PLS 360 – laser line without getting into a spin

The self levelling Power Laser PLS360 projects a clear, crisp and constant 360° horizontal reference line. It is a very robust line laser w/o any rotating parts.

- Extremely simple to use
- No set up time, "out of box" immediately ready for use
- Easy one button operation
- Highest accuracy – tolerance just 1mm@10m
- Compact, light weight, in carrying case

Applications:

Perfect for any interior horizontal level alignment for suspended ceiling etc
In pulsed mode with optional PLS LD receiver also suitable for outside use.

Set part nr. 003619 plus optional receiver PLS LD

Power laser PLS360, universal wall mount, carrying case with mould for receiver PLS LD.



**PLS 360,
stands for a crisp
and clear
laser line coverage
all the way around**

Power Laser PLS 90 – The specialist in outside applications

The self levelling PLS90 is the ideal tool to set out and control 90 degree angles without any calculation for both interior and outside applications with its unique special target alignment system for outside use it is a quick and simple one man operation to set out 90 degree angles on level or sloping ground. On long distances in pulsed mode the optional sensor can be used.

- two vertical lines at right angle and plumb down
- quick set up one-button operation
- extremely precise <math><1\text{mm}@10\text{m}</math>

Applications:

For all measuring and alignment jobs in interior finishing, dry wall construction, general construction. For setting straight lines and perfect right angles

Set part nr. 605127 plus optional receiver PLS LD

Power Laser PLS90, multifunctional base with 5/8 inch adapter for mounting on a standard construction tripod, 2 target plates, all in carrying case with mould for optional receiver PLS LD



Power Laser PLS 3 – Get to the point fast

With the Power Laser PLS3 you can determine much faster and easier your reference points. Work intensive methods using bubbles levels and plumb bobs belong in the past. Just switch on and you can start working straight away, levelling, plumbing. Not only plumbing down, also plumbing up from the floor to the ceiling.



Picture jobsite

- 3 axis: forward, up and down
- one button operation
- high precision <math><3\text{mm}@10\text{m}</math>

Applications:

Steel erectors, glaciers, dry wall construction, electricians, installation

Set part. nr. 000038

Power laser PLS3, magnetic wall bracket, multifunctional floor base



Power Laser PLS 5 / PLS 5X – you get your point every time

2 professional models (German saying): The power laser PLS5 for interior use and PLS5x with pulsed technology for inside and outside use.

PLS5 / 5x has 5 crystal clear, strong visible laser points with ranges up to 30m and is a very universal multipurpose tool for all kinds of applications. PLS5x in combination with an optional receiver can be used on ranges even up to 60m. Save time, save money. Switch on and start work right away.

- 5 axis: forward, left and right, up and down
- one button operation

Applications:

steel erectors, glaciers, drywall, electrical, installation



Set part. Nr. PLS5 000052

Set part. Nr. PLS5x 002520

Optional:

receiver for PLS5x: PLS-5XD

Power laser PLS5 / 5x, magnetic wall bracket, multifunctional floor base, reflective target, all in carrying case.



PLS 180 line laser



PLS 90 line laser



PLS 360 line laser



PLS 5 point laser

Your local authorized dealer is: