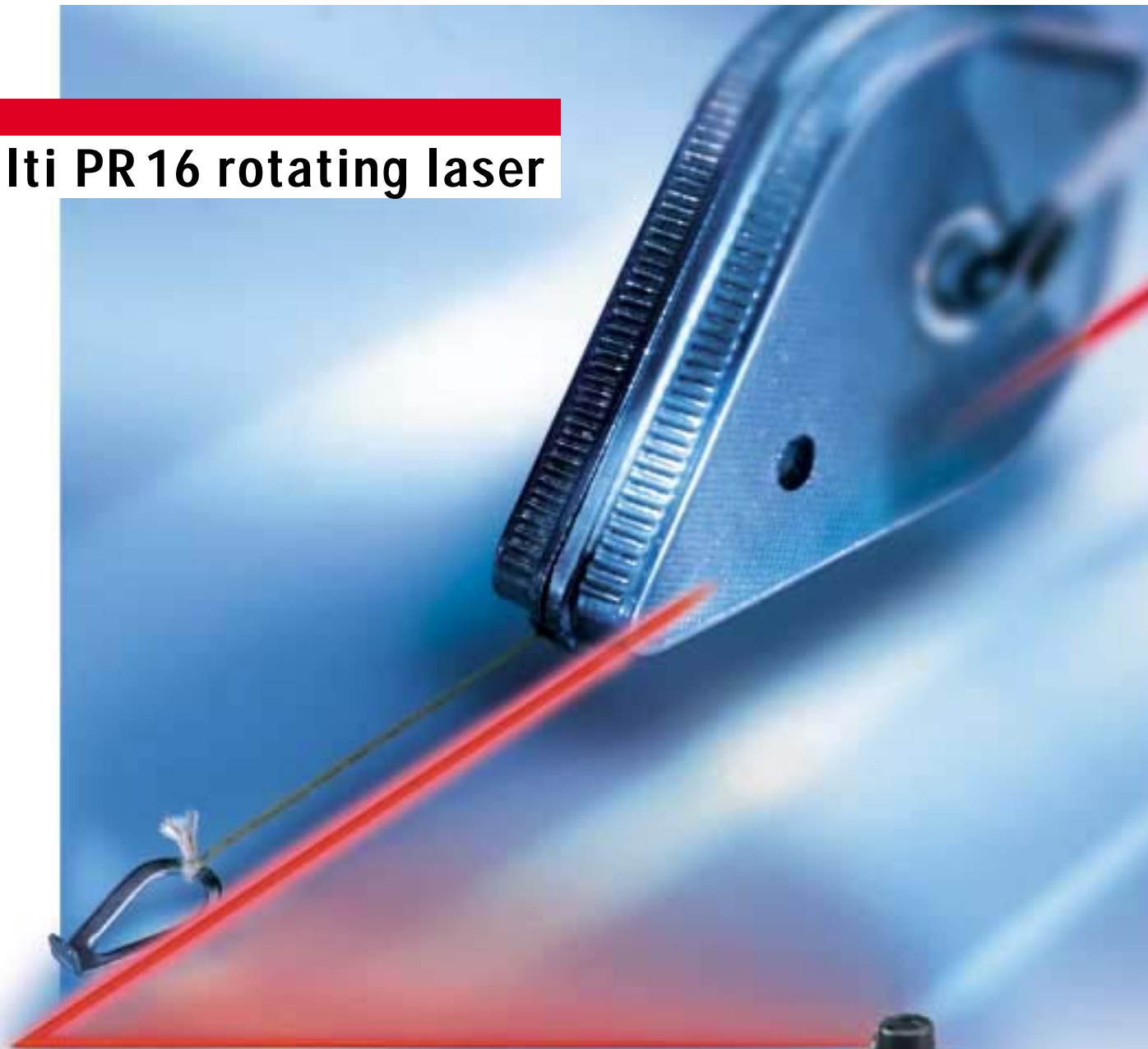


# The **Magic** Chalkline

Hilti PR 16 rotating laser



Simply the better line.  
For alignment in horizontal,  
vertical and inclined planes,  
setting out and transferring  
right angles.



**HILTI**

# Simply practical

The fully-automatic Hilti PR 16 rotating laser comes into its own in indoor applications, particularly where conventional, traditional measuring equipment is presently used. With the Hilti PR 16 rotating laser, many of these everyday tasks can be carried out by a single person in only a fraction of the time previously taken. Quite simply, this tool makes alignment in horizontal, vertical and inclined planes at a distance of up to 150 metres, as well as setting out and transferring right angles and measuring points, easier than ever before.

## Save even more time and money with the PR 16's new "smart scan" function!

At distances of up to more than 30 metres, with the aid of only a simple beam catcher plate, the laser beam can be stopped at the desired point where it is then conveniently projected as an easily visible line

### Versatility all round

#### Dependable

- Even when knocked off level by an impact or vibration, the horizontal and vertical monitoring system and shock cut-out prevent the transfer of incorrect readings.

#### Versatile

- One person can quickly and easily align horizontal, vertical and inclined planes or transfer measuring points at right angles.
- Variable speed of rotation for a wide range of indoor applications and optimal beam visibility up to 30 metres.

#### Convenient

- Setting up is straightforward and convenient as the PR 16 levels itself automatically ( $\pm 5^\circ$  vertically and horizontally) for reliable accuracy.
- Conventional batteries provide power for up to 80 hours.

#### Simple

- Thanks to its self-explanatory control panel, working with the Hilti PR 16 is very straightforward.
- Measuring and aligning jobs that previously required several persons can be carried out more easily and more quickly by one person.



### Efficiency counts!



Hilti PR 16: simple + efficient

Traditional methods: complicated + costly



**Vertical** alignment of pipes and ducts in plumbing, heating and air conditioning installations



**Horizontal** alignment for electrical installations



Alignment at **right angles** for drywall installations



Installation of conveyor belts on an **incline**



# Hilti rotating lasers

## Ideal for **indoor** and **outdoor** applications

### Hilti PR 16:

#### Practical and versatile

For alignment in horizontal, vertical and inclined planes and transferring right angles. The Hilti PR 16's innovative beam catcher stops the beam and then projects it as a reference line – without need for a remote control unit. Both hands remain free.



### Hilti PR 60:

#### Simple and robust

The Hilti PR 60 is specially designed for levelling work in outdoor applications. This robust tool is sealed to prevent the entry of dust and water and is equipped with an outstanding vibration absorption system.



### Hilti PR 16 rotating laser

- Mainly for indoor applications
- For short- to medium-distance work
- High accuracy
- Laser class 2: red, easily visible

#### Applications

- Horizontal alignment of suspended ceilings and for electrical installations
- Vertical alignment of pipes and ducts in plumbing, heating and air conditioning installations
- Transferring right angles for drywall installations
- Installation of conveyor belts on an incline

### Hilti PR 60 rotating laser

- For outdoor applications
- For medium- to long-distance work
- Very high accuracy
- Laser class 1: infrared, invisible

#### Applications

- Levelling work in general construction and civil engineering
- Foundation excavations
- Alignment of formwork, pouring and compacting concrete
- Concrete foundations, floors and decks

# For precise, convenient alignment in indoor applications

## Pointing the way



**Practical accessories** from Hilti such as robust tripods, telescopic staffs for transferring heights and useful adaptors make the Hilti PR16 rotating laser easy to use for a wide range of jobs.

## On the mark – without remote control



At a distance of up to 30 m, where most remote controls are already out of range, the **innovative beam catcher** can be used to stop the laser beam at any desired position, where it is then projected as a clear, extendable line.

## Magically simple, or simply magic?



The Hilti PR16 not only leaves **both hands free**, it also projects a precisely aligned line at the desired point, no matter whether in the vertical or horizontal planes or at the correct inclination. It can also set out right angles – quickly and easily.

## PR 16 rotating laser

### Technical data

Laser class:	Class 2/II, visible, 635 nm, < 1mW (IEC825-1/EN60825; FDA 21 CFR 1040)
Range (radius):	1 to 30 m (3 to 100 ft) with beam catcher 2 to 150 m (6 to 500 ft) with manual detector
Accuracy (at 24° C / + 75° F)	±1.0 mm / 10 m (± <sup>3</sup> / <sub>32</sub> " / 60 ft)
Self-levelling range:	up to ±5°
Speed of rotation (r.p.m.):	0 (stop mode) 50 (additional manual mode) 80 (beam catcher mode) 300 (detector mode)
Battery life (at 24° C / + 75° F):	Alkaline > 80 hours (NiCd > 25 hours / NiMH > 40 hours)
Temperature range:	Operating temperature: -20° C to +50° C (-4° F to + 122° F) Storage temperature: -30° C to +60° C (-22° F to + 140° F)
IP protection class (dust and water):	IP 42 M (in accordance with IEC 529)
Dimensions (L×W×H)	183×168×234 mm (7.2×6.6×9.2")



PR 16



PA 311



PA 331



PA 350



PA 950



PA 931

### PR 16 rotating laser

Ordering designation

**PR 16 rotating laser**

Item no.

**371896/2**

Comprising: 1 PR16 rotating laser, 4 batteries (type D, alkaline), 1 beam catcher, 1 operating instructions, packed complete in a Hilti toolbox and cardboard box

### Accessories

Ordering designation

**PA 311 wall bracket**

Item no.

**371902/8**

**PA 331 beam catcher**

**371900/2**

**PA 350 manual detector**

**311393/3**

**PA 931 tripod**

**315995/5**

**PA 950 telescopic staff**

**310986/5**

### Additional accessories

Ordering designation

**PA 910 tripod**

Item no.

**310980/8**

**PA 911 tripod**

**372893/8**

**PA 920 tripod**

**310982/4**

**PA 930 tripod**

**310984/0**

**PA 370 sight rail adaptor**

**333834/0**

**PA 371 tripod adaptor**

**335525/2**

**PA 372 facade adaptor**

**335526/0**

**PA 360 detector clamp**

**311778/5**

**PA 951 measuring staff (metric scale)**

**338129/0**

**PA 970 laser glasses**

**311212/5**



Laser beams are represented by red lines in the photographs and illustrations



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