



# HP SITEPRINT



# ROBOTIC SOLUTION FOR AUTONOMOUS SETTING-OUT

Increased productivity, consistency, and cost reduction in construction layout.

Save time and money on your construction layouts	Print accurate layouts on the slab	Easy to use tool for everyone on the jobsite
<ul style="list-style-type: none"><li>■ Increase productivity up to 10x versus manual setting out.</li><li>■ Autonomous operation thanks to obstacle avoidance capabilities.</li></ul>	<ul style="list-style-type: none"><li>■ Print CAD data/BIM information in the field consistently and accurately, with a tolerance of <math>\pm 3\text{mm}</math> or less.</li><li>■ Avoid costly errors and reworks driven by mistakes in setting out.</li></ul>	<ul style="list-style-type: none"><li>■ User friendly interface for easy operation.</li><li>■ Robust industrial design that adapts to a construction environment.</li><li>■ Increase safety and reduce injuries by improving layout ergonomics.</li></ul>

HP SitePrint directly transfers 2D CAD/BIM information onto hard ground surfaces, such as concrete slabs or raised access flooring, and provides diverse, accurate and consistent information.

Traditionally, construction stake-out relies on a manual process involving engineers marking up floors with chalk, stringlines, and survey poles, which is laborious and prone to error. HP SitePrint eliminates this by providing an automated process with accurate, consistent printed information.

With the ability to print lines, arcs, circles and even text, this can save time, providing more detailed information and negating the need for reworks.

One other benefit is that health and safety is improved on site. Engineers no longer need to mark up the floor themselves, so no bending down or on knees, or having to navigate uneven flooring while manually marking designs. This minimises risk of any accidents caused by physical strain and hampered spatial awareness.

The use of these robots is particularly beneficial for data collaboration on construction projects, as they can help:

- Shorten project timelines.
- Minimise errors and make the most of available budgets.
- Facilitate better communication and collaboration across multiple trades on the same project.
- Help construction firms achieve their business goals and KPIs.

All 2D CAD data/BIM information is shared and communicated via the HP SitePrint Cloud, allowing the robot to print from the latest version of any drawing.



Typical uses for this product could be:

New build concrete slab:

- Commercial
- Residential

Industries including:

- Construction
- Governmental
- Healthcare
- Exhibitions
- Education
- Airports
- Film & TV studios and sets
- Building refurbishment

#### Performance

Productivity	Up to 10x versus manual layout	
Printing Service	Porous (polished and rough concrete, tarmac, wood or pavement) and non-porous materials (terrazzo, vinyl and epoxy)	
Printable Elements	■ Different line styles ■ Text	■ Curved lines ■ Circumferences

HP SitePrint Cloud also offers 'end 2 end' job management and a real-time overview of all associated printing costs.



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