

# Application Success Stories

## Hanson Springs



Hanson Springs are a world leader in spring supply to the Flow Control, Oil & Gas, Nuclear and Power Generation industries. Continual investment in the very latest technology has enabled Hanson Springs to develop into one of the largest independent spring manufacturers in the world, a refreshing change, as many manufacturers are now part of large and often non-spring related corporate groups.

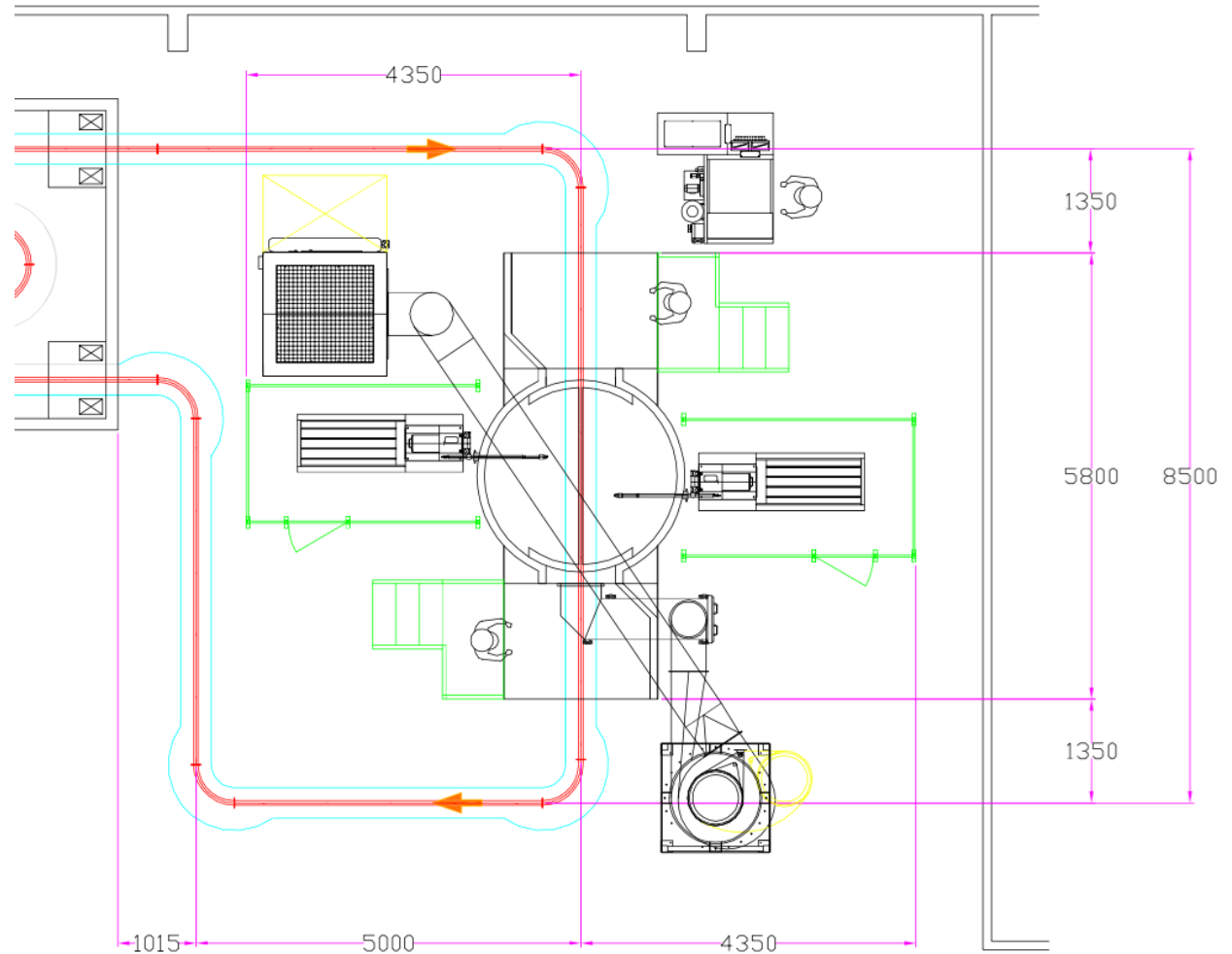
Total coating  
automation

High efficiency  
recovery

Colour change  
flexibility

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## Layout



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## Installation Key Data

### Parts:

Springs for oil & gas valves

### Production data:

- 1200mm high
- 400mm diameter
- 1m per min

### System Type:

- Magic Cylinder QCS4
- 6 Automatic guns
- 2 manual stations
- OptiCentre©
- CM30 control system
- X & Y reciprocation



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With a diverse range of colours, the need for fast colour change and criticalness of the powder consistency across the entire spring the Magic Cylinder booth, coupled with the OptiCentre and latest generation application guns provided the perfect solution to Hanson Springs. Many of the part geometries in associated with spring coating

can be particularly challenging due to tight radius bends, and spring spacing, with the presence of the faraday effect. The PCC feature on offer from the Gema guns provided the perfect solution for application of the metallic based powders, allowing a perfect and repeatable coating.





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John Hanson – Financial Director explained “Our in-house powder coating, plastic coating and aluminising facilities with phosphate pre-wash allow cost effective use of traditionally corrosion susceptible materials in hostile environments.

We have for many years used Gema hand held guns on our manual paint plant at our hot coiling facility and found them to be the best equipment on the market.

As part of our continuing expansion and drive to enhance the overall product quality and performance we took the decision to invest in a

new, state of the art powder coating system from Gema, accompanied by a new track, pre-wash.

Throughout the procurement, installation and commissioning stages Gema have offered fantastic support and shown a commitment to our project requirements delivering on time.”