

Application Success Stories

One of the UK's largest subcontract sheet metalwork suppliers HyDRAM Engineering Ltd has fully commissioned its second automated powder coating plant. Managing Director David Greatorex explained, "Our new conveyor plant offers our customers a higher throughput at lower cost and with higher quality, complete with a five-stage pre-treatment, a Gema automatic spraying booth and larger oven."



Sub-contract coating capacity doubles thanks to new Gema powder coating line

Double production capability

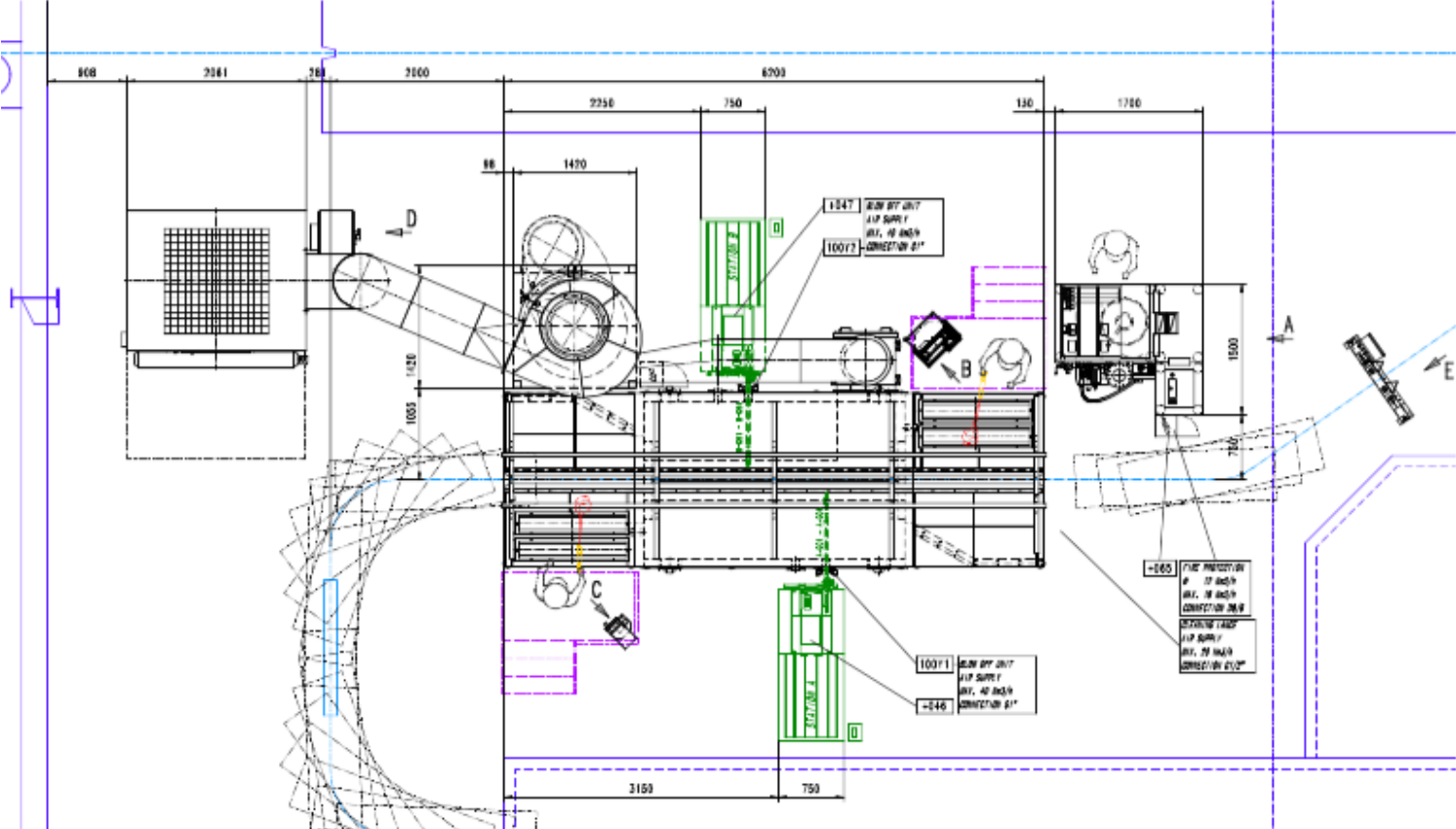
Provide premium quality coating

Recover, recycle, re-use powder



Application Success Stories

Layout



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Installation Key Data

Parts:

Steel fabrications

Production data:

- 2000mm high
- 1000mm wide
- 2.0m per min

System Type:

- Magic Compact BA04
- 8 Automatic guns
- 2 manual stations
- OptiCenter© OC02
- 10 IG06 Pumps
- CM30 control system
- Product recognition
- X & Y reciprocation



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Significant Investment

"In order to accommodate the new plant, we needed to extend the building so that our assembly and warehouse space wasn't compromised," explained David. Building work on the new extension began in October 2014 and, together with the new paint plant, represented an investment of approximately £1.5M.

Plant Details

The plant incorporates the latest Gema Magic EquiFlow automated spraying booth and equipment, this investment provides maximum coating consistency, a highly efficient powder recycling system combined with quick colour change capability.

The new plant has several upgrades compared to the existing paint plant at Hydrum, including greater throughput, lower running costs and more thorough pre-treatment. It will provide customers with a cost effective, more eco-friendly powder coating solution with a higher paint adhesion specification and coating performance.

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Key objectives and success areas:

- ✓ Provide customers will a first class powder coating finish
- ✓ Automatically coat parts where possible
- ✓ Have the flexibility to colour change quickly with minimal downtime to meet customer demand
- ✓ Provide an environmentally sound solution in relation to energy, and powder consumption
- ✓ Have an easy operator interface and simple functionality for the plant operators

Exceeding Expectations

With ever-increasing customer demand for cost effective, ecologically sound, premium quality powder coating, Hydram's investment in an additional automated paint plant just three years after the existing systems were installed shows that it is striving to exceed customer expectations.

Leading sheet metal fabrication supplier

Hydram Sheet Metalwork is a leading supplier of sheet metal and tubular components, assemblies and light fabrications to customers throughout the UK employing over 200 people. The leading fabrication company provides the full range of subcontract engineering services, including tube and sheet laser cutting, tube and

sheet bending, fabrication, powder coating and assembly from its 115,000 sq ft factory in County Durham. Hydram supplies components and sheet metal fabrications to market leading companies in industries such as shop-fitting and point of display, lighting, earth-moving machinery and white goods.