

**Release Date : January 2011**

**COV 05- (11/10)**

**Version 2 - Approved**

## **COVPRESS INVESTMENT PAINTS A POSITIVE PICTURE**

As the UK's leading independent supplier of pressed and welded assemblies, Covpress Holdings of Canley, Coventry, has responded to increasing market demand in the most positive way possible by investing in a state of the art powder coating facility.

It's yet another example of the engineering ingenuity that Covpress brings to bear to meet the challenging and ever-changing needs of its diverse and demanding customer base.

### **ANY COLOUR AS LONG AS IT'S GREEN**

The new facility is not only designed to accommodate the existing range of Covpress components but also to provide the additional capacity to take on outside work from general industrial customers as well as the automotive sector. The new line can process large dimensional parts of up to 1650mm high by 900mm wide at a production speed of 2000mm per minute. The finished product comes with the highest levels of corrosion resistance on the market today. While colours can be changed with the minimum of disruption.

But one colour remained an important consideration throughout, because the new facility would also need to add weight to the company's green credentials. Which is why careful consideration was given at the design stage to ensure compliance with Covpress environmental policies without compromising the highest levels of performance.

## **A SOLUTION WITHOUT POLLUTION**

The pre-treatment system is based on innovative oxsilan technology, enabling zinc phosphate levels of performance without any of the environmental problems associated with zinc. The powder is applied inside a quick clean powder coating booth and recovery system with the plastic booth shell significantly enhancing powder gun efficiency to reduce spares consumption, minimize clean down time and maximize reclaim.

The powder application equipment itself, maximizes efficiency in powder utilization and ensures consistency and the highest quality of finish for every client application.

## **EFFICIENT USE OF POWDER, EFFICIENT USE OF POWER**

The facility doesn't just use powder more efficiently. In keeping with the company's environmental policies, it uses power more efficiently too.

Both drying and stoving are carried out in a single oven to reduce the number of fans and burners required, delivering significant savings in gas and electricity. To eliminate any risk of contamination from the overhead conveyor, the fully inverted "Cleantrack System" can maximize loading of even the smallest components due to its continual serrated flight bar design while still being capable of over 120kg loading per single hanger. The entire facility is operated from a state of the art control panel fitted with a touch screen operator control system with PLC operation. This is designed to automatically log essential data such as line speed and stoving temperatures, which can be downloaded and saved to ensure the maintenance of quality control across every part of the process. While, to reduce running costs yet further, work detection systems are employed throughout the plant ensuring plant processes are only in operation when there's work to be done.

## **COVPRESS INGENEERING**

The company's unique blend of engineering and manufacturing disciplines makes Covpress a truly world class tier one supplier with the flexibility to also provide an excellent service at tier two level. In fact, its flexibility and responsiveness to the needs of an increasingly demanding and ever changing market have given Covpress a significant edge over its competitors. Its impressive customer base is testament to the company's ingenuity in solving even the most complex, the most challenging and the most technical of problems. While the company's unrivalled engineering skills in bringing those ingenious solutions to full fruition provide customers with a range of products that do not merely meet but significantly exceed their expectations.

Ingenuity in engineering. This is 'Covpress Ingeneering'.

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