

CASE STUDY

Largest Compressors Supplied for Forge

The Challenge

When Independent Forgings and Alloys (IFA) started to plan their new forge in Sheffield, they looked to select the best equipment possible and the know-how to make the systems match their demands.

IFA is a specialist open die forging and ring manufacturer. The new forge required an uninterrupted compressed air supply for a 2 tonne hammer used to make the seamless rings.

The Company was also keen to link the supply of compressed air throughout the new and the existing forge.

Airchannel's solution

Airchannel proposed the installation of an CompAir L250 compressor. This state of the art oil-injected rotary screw compressor has a motor output of 250kW and an air output of 1,507 CFM (43m³/min) at 7 bar. It combines high performance, reliability and low operating costs, with ease of installation and servicing.

By using advanced control technology it can be linked, giving the Engineering Manager compressor control from his desk-top PC.

The complete system can provide the compressed air for forging.



Results

Representing value over the complete life cycle of the equipment, Airchannel has designed, supplied and installed an energy efficient compressed air solution. The company maintains excellent product support to meet IFA's demands and to complement their two existing L250's, and L120SR (variable speed) air compressors.

Airchannel's solution means the compressor runs at optimum speed for the application through high efficiency drive systems, ensuring efficient power transmission with minimum drive losses.

Compressed air is piped into the factory and distributed around two different rings. It powers all the hammers in the forge. The new 2 tonne archform hammer is used for forgings of up to 750 Kg.

Client Testimonial

Speaking of his satisfaction with the results, Richard Chambers of IFA said "The forges are full of activity, so we needed to partner a reliable and knowledgeable company that could offer a complete turnkey solution to our compressed air supply. We more than found this with Airchannel, who looked at what we needed and came up with a system that met our requirements exactly. They also provide an after sales service that we can totally rely on, which is a great news."

Contact

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