



### WELD SLAG REMOVED

Market leaders, employing vacuum technologies in bespoke applications.

**BVC** have installed a size reduction and negative pressure lean phase handling system for a multi-national tube manufacturing company. The primary function of the system was to reduce the amount of waste material being transferred further up the production line; this was caused by the automatic transfer of the finished welded product which intern meant, manual campaign cleaning up which can only be achieved when the plant is not in production. Now with the BVC system solution production is not interrupted and ongoing cleaning costs of hiring in expensive vacuum plant and associated operative costs have been eliminated.

The system comprises of two stations into which the weld slag is delivered, this is a glassy abrasive material which is then directed into a chute this channels it into the crusher machines.



The lengths of slag being 150/200 mm long x 25/50 mm wide and 5-6 mm thick are then reduced down to small granulate and dust to ensure it does not block the selected conveying line. The two crusher stations are connected to the filter separator by individual conveying lines; these are isolated from each other by pneumatic line isolating valves. Products are separated within the filter separator from the conveying air and are continuously dispensed from the filter separator via a pneumatically operated double dump valve into the client's skips which are located on a track system positioned below the outlet of the filter separator.

As the client's production process requires flexibility in the form of how many, which or both of the production lines are being utilised. This means the product removal system has to be flexible.

The motive air is generated by a 30kW exhauster unit which is provided with an inverter drive, one extraction line can be served by running the exhauster at one speed and two extraction points can be served by running the machine at a higher speed.

For further details please visit our website [www.quirepace.co.uk](http://www.quirepace.co.uk)

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