

Minimise Product Wastage with an Accumulation System

Project:

To design, manufacture and install a twin spiral accumulation system comprising 2 spiral conveyors and 2 luffing conveyors to transfer products from their existing line to avoid products spoiling when line stoppages occur.

Unitech Engineering were contracted by Panificio Italiano to produce a spiral accumulation system.

Our system is designed with 2 luffing conveyors to enable the products to be diverted from the main production line to the spiral accumulation system. The product can then be held and re-introduced to the line when required.

The framework of the system is constructed predominantly of 304 grade stainless steel and has over 300 metres of 800mm wide modular belting. Each spiral has a central

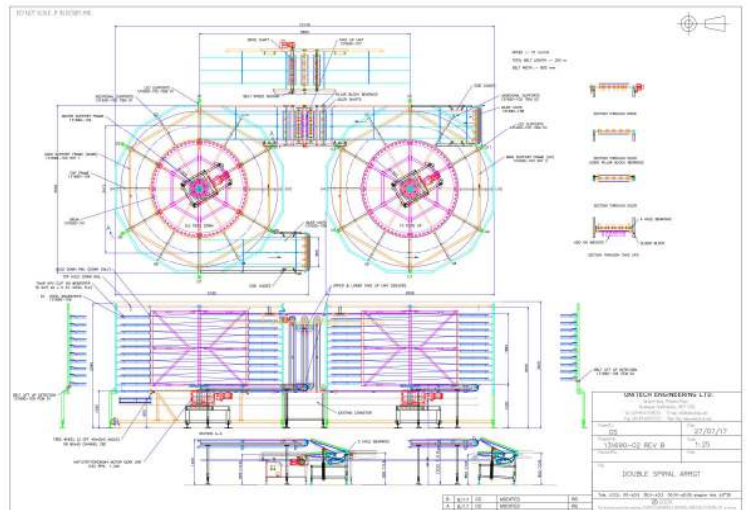
drum and tensioner drive. In total, the system was in design for approximately 4 weeks, in production for 8 weeks and installation took approximately 1 week.



The total height of the system is 3340mm, the diameter of the spirals is 4526mm and the total length of the system is 10176mm.

Karl Hewines, Unitech’s Operations Director said “this was a fantastic opportunity to design a bespoke system and demonstrate Unitech’s manufacturing and installation capabilities.”

Since this installation Unitech have worked closely with our modular belt supplier and have been licensed to manufacture their direct drive system. We now have a new order for a 6.5m high Direct Drive cooling Spiral.



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