

*Baileys Horse Feeds have installed a new Clayton Steam Generator which will help maintain the finest quality products and speed up production at their Four Elm Mills plant near Braintree, Essex.*



The founders of Baileys Horse Feeds are horse owners themselves who have specialised in developing feeds with particular nutritional characteristics. These are sought after for all types of horse, particularly racehorses, polo ponies, show jumpers and stud horses, at all stages of their development. The range has been shaped around the use of the most effective natural ingredients that promote health and performance.

Steam at the plant is used on the mixed feed during the conditioning process before final pelletisation and packing. Conditioning at an elevated temperature allows the gelatinisation of starch to begin and this means that more nutrients can be digested. The steam also lubricates the mix to maximise the throughput and extend the life of the pelletiser die.

The Clayton Steam Generator was recommended to Baileys Horse Feeds by Buckeye Nutrition of Ohio, USA with whom they have links. Buckeye Nutrition are well known feed manufacturers and already use Clayton Steam Generators.



A feature of the Clayton design - which is important for animal feed production is the very high steam quality that is typically less than 0.5% moisture in the steam at all load conditions.

This high quality, dry steam is also of utmost importance for consistency of the product from a pelletising process since it minimises the condensate fall out in the conditioner and can also prevent slugs of water in the process. The high quality steam also reduces the possibility of impurities in the feed.

At Baileys Horse Feeds the Clayton Steam Generator is fully automatic and runs 24 hours a day with minimal operator attendance.

The new steam generator is part of recent expansion and improvements at the plant which includes computer controlled mixing, additional micronising technology and new storage facilities. **Joe Venner** who is Operations Director said:-

*"We have always used the best available technology so that we can reliably maintain the best quality and consistency of our feeds"*

The company's famous racehorse, '**Mister Baileys**', was fed on Baileys No 10 Racehorse Mix when he won the Classic 2000 Guineas Stakes at Newmarket in 1994 - Proving that nothing succeeds like success.



The Clayton Steam Generator