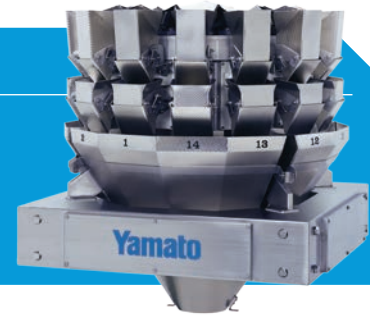


# Tea/Coffee Case Study

## CLIENT INFORMATION

Equipment Purchased:	Multihead Weigher
Product / Business Type:	Blended Tea Products
Client Name:	Ahmad Tea



## THE CUSTOMER'S BUSINESS

Ahmad Tea is a UK-based family business, drawing on three generations of tea blending and tasting experience. The company approached Yamato with the requirements of increasing the speed and accuracy of their production lines, whilst still maintaining the high quality of the final product. Ahmad Tea produces a number of blended tea products which consist of numerous teas and flavourings and therefore the ability to undertake quick and easy product changeovers was also required.

## CHALLENGES IDENTIFIED

As tea is a low weight, high volume product, dust egress posed a significant problem.

For several blended tea products, the production process involves complex additions of particulates and herbal mixes; it is vital that these are precisely measured in order to provide the high quality beverage which is synonymous with the Ahmad Tea brand.

The customer also wished to reduce cases of deblending, whereby leaves of varying sizes are affected differently by the strength of

vibrations involved in the packaging process. When deblending occurs, smaller particles tend to become separated from the rest of the blend under high vibrations and their absence can alter the final quality of the product.

## YAMATO'S SOLUTION

One Sigma and two Alpha multihead weighers, which are known for their precision, accuracy and efficiency, were installed at the company's factory situated in the Middle East.

The machines included an extremely diverse series of presets ideally suited to tea production, as well as several Auto Setup features providing the customer with the ability to implement quick and easy product changeovers. Bespoke dust enclosures were also supplied in order to ensure dust egress was eliminated and a good working environment was maintained at all times.

## BENEFITS TO THE CUSTOMER

Ahmad Tea found that they were able to remove deblending from the production process all together by utilising the Auto Setup feature present on the Yamato machines provided.

This allowed a high degree of customisation, enabling the customer to easily modulate the machine vibrations so as not to disrupt the delicate blends required.

The bespoke dust extraction features also prevented cross contamination of products, ensuring that products produced are of a high standard and quality. Dust, the most prevalent problem when packing a low weight, high volume product such as tea, was also significantly reduced. The customer was able to significantly increase production outputs, achieving a consistent run rate of 60wpm on 100g packages as well as at least 40wpm on larger 500g packages.

## AFTERSALES

Yamato provided an on-site in depth training course for the technicians and operators of the factory in order to ensure optimum efficiency, accuracy and speed was achieved and maintained.

