



AircoDiet has supplied more than 65 DIET (Dry Ice Expanded Tobacco) and Impex plants worldwide, many of which have been turn-key projects. We continuously develop and refine our processes; our plants have above 95% uptime with a dry yield better than 98.5% through the plant.

We are a small and flexible organization with a thorough market insight. Being a part of a global market leader within CO² plants – Union Engineering – we have access to a professional knowledge center and modern production facilities.



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IMPEX expands all types of cigarette and cigar tobacco volume over 85 and 100%

Impex tobacco expansion system will expand all types of cigarette tobacco and cigar tobaccos whilst providing quality expanded tobacco. Impex tobacco benefits from little or no colour change, no loss in nicotine, only minimal loss of sugar, no system degradation and retention of strand length.

The Impex process

Tobacco expansion is achieved in normal primary process by the absorption of water into the cell structure. This is then removed by the application of heat causing the water to expand and evaporate so expanding the cell structure and increasing the filling value of the tobacco.

This approach has limitations in terms of filling value achievement and therefore by employing pressure / vacuum technology the Impex process can provide a much higher level of expansion, this by impregnating the tobacco with Isopentane and then removing it with steam. This process offers 'added value' over normal processing techniques in terms of leaf utilisation.

Impex facts

- Impex expanded tobacco is a significant cigarette design tool in the changing tobacco market place, both in terms of the products you can offer and the cost savings that can be made.
- Impex expanded tobacco enables development of lower yielding new products with acceptable consumer smoking performance, as well as the redesign of existing products to meet market demands or Regulatory pressures. This is possible across all product styles.
- Impex expanded tobacco is suitable for Cigarette, Cigar, RYO and MYO product applications utilising the increased volume per weight of tobacco delivered by the process.
- In Secondary (making) Production, Impex expanded blends perform very well, providing excellent end quality and cigarette firmness (Hardness), in fact there is an opportunity to improve your standards. End quality is maintained through the packing process where incorrectly filled % and loose end fall out tests easily meet quality standards.
- Overall Product quality can be maintained or enhanced when Impex expanded tobacco is included in the product.

All the above product benefits can be achieved whilst using lower tobacco weights in the product.

Impex – by AircoDiet

The Impex technology is owned by AircoDiet, the owner of the other tobacco expanding technology available; DIET (dry ice expanded tobacco).

The two technologies accomplish each other perfectly in terms of diversified customised products, and the high expansion level is maintained.

In spite of our worldwide coverage, we are a small and flexible organization with a thorough market insight. Being a part of a global market leader within CO2 technology – Union Engineering – we have access to a professional knowledge center and modern production facilities.

Manufacturer's Benefits – cost savings

- The inclusion of high filling value Impex expanded tobacco enables product manufacturing standards to be achieved whilst using lower tobacco weight, therefore providing real cost savings on tobacco usage.
- Using less tobacco significantly helps in the design of lower yielding products.
- Impex inclusion levels can be set to meet both cost and product design criteria.
- Impex expanded tobacco really does provide added value to your business.

