

RADIO FREQUENCY DRYING



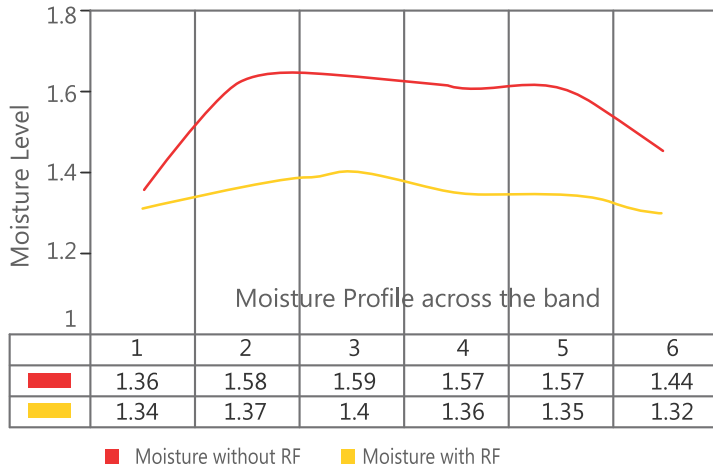
- CONTROL OF WATER ACTIVITY ▪ DIS-INFESTATION ▪ EQUILBRATING OF MOISTURE ▪ DRYING ▪ STABILIZATION
(Chemical-free treatment)

WORKING PRINCIPLE

Radio Frequency Equipment works on the principle of Dielectric Heating.

Water molecules align themselves to the continuously oscillating electric field of 27 Million times per second.

This causes internal heating of the water molecules present within the product thereby eliminating the need to heat the product externally.



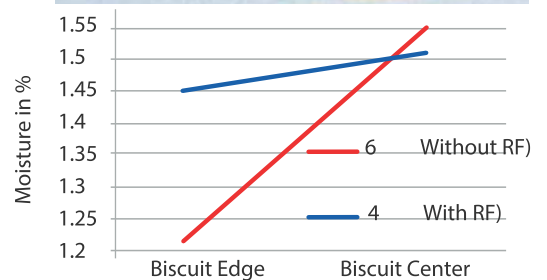
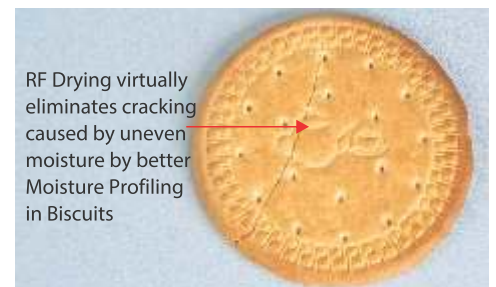
ADVANTAGES OF RF EQUIPMENT

Maintains the taste, colour and other external characteristics of the product while extracting moisture from within.

Even removal of moisture across the product profile and from within the product.

Killing of insects, larvae and eggs without using any chemicals and exposing the product surface to a minimal temperature rise.

Increase in shelf life by reduction in water activity within the product.



Better moisture profiling at the core of Biscuit as compared with Conventional Line.

DRYING DIS-INFESTATION STABILIZATION

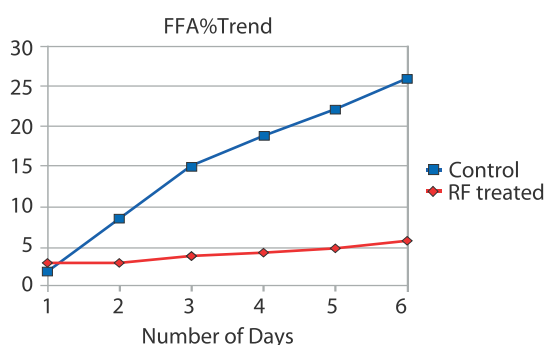
RF Equipment

- Uniform heating
- Increased productivity
- Reduction in time of drying
- Controls water activity as needed



APPLICATIONS & USAGE

- Control of Water Activity in **ANIMAL FEED**
- Kill of Insects, Beetle, Larvae in Food Grains and Semolina
- Makes product safe from mold & microbes
- Stabilization of **RICE BRAN**
- Dis-Infestation of **GRAINS AND SEMOLINA**
- Equilibrating of **MOISTURE**
- Drying of **BISCUIT WITH EVEN MOISTURE AT CORE AND EDGES**
SOYA, MAIZE, WHEAT, RICE BRAN, LENTIL (DAL)
PHARMACEUTICAL TABLETS





WORLD LEADER IN DIELECTRIC HEATING

Strayfield has achieved a reputation for excellence in the manufacturing industry by following high standards of design and manufacturing practices. Through continuous commitment, dedication and attention to detail, Strayfield has justly earned this accolade and is generally acknowledged as the world leader in dielectric heating.



Strayfield's product range for Radio Frequency heating encompasses equipment for Food, Textile, Paper Converting, Glass Fibre, Ceramics and Wood-Working industry.

With more than 5000 installations we have the technical ability and experience to provide a solution for virtually any drying application within the RF domain.

Strayfield's global corporate network and its agents provide excellent after-sales support to customers.

Strayfield 

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