

Title:	Integrated hot air roasting machine
Abstract:	<p>The invention relates to an integrated hot air roasting machine for roasting/toasting of cereals, pulses, spices, oil seeds and ready to-eat snack foods using flue gas. The product processed by using this device has uniform color, moisture and other sensorial properties, and the material is processed under hygienic conditions in a continuous manner. All the variables such as residence time, temperature of the hot air, resting time and cooling time of the roasted material are done sequentially by use of a programmable logical controller (PLC). The development of the integrated hot air roasting machine would result in reduction in human drudgery, clean and hygienic end product free from sand, ash and will have uniform color and uniform roasting. The device is energy efficient as the hot air is recirculated.</p>