

What are the Other Features?

It is easy to clean. The extrusion tube, augur screw, and cutoff mechanism can be completely removed without tools in a few seconds.

Standard extrusion tubes are 1.125 inches/3 centimeters inside diameter, mounted 2"/5cm between centers. Special diameters or shapes are available on custom order. Also possible are special timing controls to permit extended extrusions (cereal or nut bars).

Critical overall machine dimensions are fitted to individual user requirements; special mountings quoted on request. (see ordering specifications below)

In addition to chocolate, other comparable materials can be used, for example, "summer chocolate compounds".

What are Capacities and Economics?

A Smith Nut Cluster Machine can be built with any number of extrusion tubes operating simultaneously. For example, a 10"/25cm belt can use up to five tubes across on the standard machine mounting of 2"/5cm between centers. Maximum cutoff speed is one cluster per tube per second. Dropping clusters 2"/5cm between centers along the path of belt travel, maximum production would require a belt speed of 10 feet/3meters per minute. Below are some sample installation capacities:

		Capacity — Clusters Per Minute							
Belt Speed Per Minute		Number of Tubes on Machine							
Feet	Meters	3	4	5	6	8	12	16	
2	0.6	36	48	60	72	96	144	192	
3.3	1.0	60	80	100	120	160	240	320	
4	1.3	72	96	120	144	192	288	384	
6.5	2.0	120	160	200	240	320	480	640	
8	2.6	144	192	240	288	384	576	768	
10	3.0	180	240	300	360	480	720	960	

Weight capacities would be made by conversion from the number of clusters at their desired weight, of course. In general, the machine should have one full time operator who could monitor production and control raw material supplies fed to the receiver hoppers. On smaller installations, manual feed would be adequate; larger units should have some simple automatic raw material feeds.

Smaller machines are priced for investment payback on hand labor savings in less than 100 machine days. For larger installations payback occurs in a few hours (for example, the 8 tube machine at 4 feet per minute pays back in about two machine days).

The Smith Nut Cluster Machine will permit volume production of clusters on an economic scale impossible in the past. Honored by Candy and Snack Industry Magazine with an historic first Award for Technological Achievement, this machine belongs in the plant of any profit minded confectioner.

Ordering Specifications

Please include with your order and deposit the following information to assist in a prompt start on your Nut Cluster Machine: Electrical source - voltage, phase, Hertz/cycles; Number of tubes and left/right model selection (see illustration); Finish color-white or gray standard; Distance floor to belt surface; Distance inner edge of vertical post to center of nearest cluster deposited on your belt.

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