brovind®

GMR

NUTS CHOPPING LINES WITH ROLLERS

MAIN CHARACTERISTICS AND ADVANTAGES

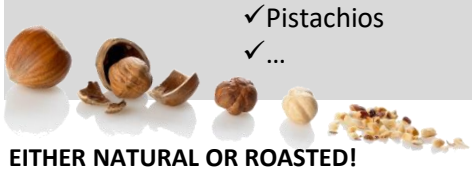
- ✓ Versatile and flexible
- ✓Continuous process and high output capacity
- ✓Multi-stage cutting and specifically shaped rollers for the most precise dicing
- ✓ High yield: reduced production of fines
- ✓Compact, solid and reliable
- ✓High efficiency and low running costs
- ✓User friendly, easy to clean and mantain
- ✓ Fast and easy installation

TECHNICAL FEATURES

- ✓ Parts touching the product in AISI 304 S.S.
- ✓ Controlled feeding
- ✓ Multiple dicing modules, each with independent motorization
- ✓ Shape of the cutting rollers specifically designed for the desired final size of the grains
- ✓ Micrometric manually adjustable gap between the cutting rollers
- ✓ Combs scrapers for continuous cleaning of the modules
- ✓ By-pass chute to exclude one or more of the dicing modules (with safety micro-switches)
- ✓ Front opening inspection doors for cleaning and maintenance (with safety micro-switches)
- ✓ Multi-stage vibrating sieves for fast and precise product classifying
- ✓ Cyclone for fine particles and skins separation and collecting

PERFECT FOR

- ✓Hazelnuts
- ✓Almonds
- ✓Peanuts
- ✓Pistachios
- ✓…



EITHER NATURAL OR ROASTED!

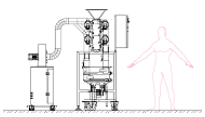
…AND (special applications)

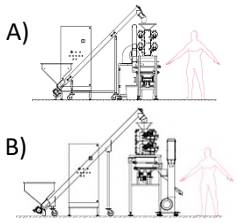
Cocoa Beans, Nougat, Hard Cakes, Dried Herbs and Roots, …

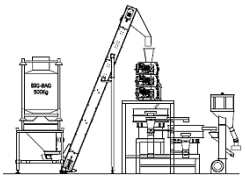
DESCRIPTION AND WORKING

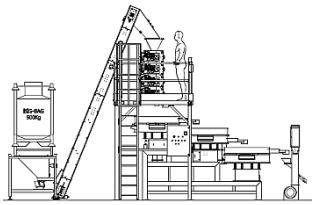
The product is collected in an apposite S.S. hopper and then duly conveyed to the continuous dicing machine (which can be positioned on a supporting frame) through an elevator belt or through a screw conveyor. For proper processing conditions, the product must be accurately dosed to the dicing machine, i.e. by means of a vibrating channel mod. Brovind <SDP.50-I>. The Brovind <GMR> dicer consists of multiple cutting modules in cascade (depending on the desired size of the finished product). The product passes through each dicing module thanks to gravity and it's progressively chopped, by apposite shaped rollers, until the grains reach the desired final size. Each dicing module consists of a couple of shaped rollers, with driving geared motor directly coupled to each roller. The number of modules of the dicing machine depends on the desired range of final dimensions of the grains. A micrometric manual set-up allows to adjust the gap between the rollers of the dicing modules, thus varying the size of the finished grains.

From the dicer, the product is directly unload onto the screen of a vibrating sieve. The sieving system, with two or three circular vibrating sieves, depending on the model, allows to separate and classify the product into three dimensional ranges: small, medium and large size. Upon request (OPTION), additional sieves can be added for a finer classification of the finished product. The line is completed by a pneumatic separator which draws apart and collects fine particles and peels.









TECHNICAL DATA	GMR/100 LAB	GMR/100	GMR/200	GMR/500
PROCESS CAPACITY*	40÷50kg/h	50÷60kg/h	150÷250kg/h	400÷600kg/h
DICING MODULES (std)	2	2	3	3
POWER SUPPLY	3ph – 50Hz – 400V			
TOTAL INSTALLED ELECTRICAL POWER	4,5kW	4,5kW	5,5kW	8,5kW
DIMENSIONS (L x W x H – mm)	2.300 x 1.500 x 2.300	A) 3.300 x 2.600 x 2.600 B) 4.300 x 1.300 x 3.000	6.000 x 1.600 x 4.500	7.300 x 2.900 x 4.800

***Referred to whole roasted hazelnuts, diam. 11÷13mm with final product 2÷4mm.**

Production data may vary, even by a great extent, upon product and process conditions.
Technical data may be subject to change without notice. Brovind reserves the right to apply any modification to improve aesthetics, efficiency and safety.

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