

# C 25 Mill

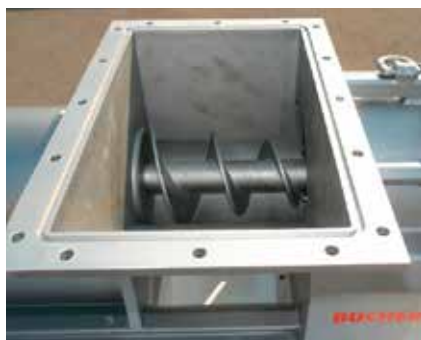
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Grinding mill for apples, pears, berries and vegetables

- Bucher grinding technology for optimal mash structure
- High yield and throughput during juice extraction
- High grinding capacity with low energy consumption
- Easy cleaning and maintenance



### Application

The grinding mill C25 has been developed to mash from apples and pears with optimal output. It is also suitable for the grinding of berries and vegetables. The mill C25 produces mash particles which are ideal for dejuicing. The good mash structure assures high press yield and throughput.

### Design and functionality

The mill comprises a housing with rectangular feed and discharge hoppers, a horizontal feed auger, a fast turning rotor and a grinding cage with grinding knives. Rotor and feed auger are mounted on a shaft which is powered by an asynchronous motor. The goods to be milled enter through the feed hopper into the feed auger. The auger conveys the product into the cylindric grinding section where it is accelerated by the rotor. Due to the high radial velocity and the centrifugal forces

the product is spun along the knives which is mounted in the grinding cage. Thereby, it is finely milled and ejected from the grinding section through the discharge slots between the grinding knives.

The innovative grinding cage is formed with exchangeable segments: a discharge element with integrated discharge slots is located between two adjoining grinding knives. The patented design of the discharge slots<sup>1</sup> assures high throughput combined with low energy consumption. The grinding cage can be dismantled easily and fast for cleaning and maintenance purposes. It can also be turned by 180° for best possible utilisation of the grinding knives. The mash structure can be varied by applying grinding knives with differently sized teeth.

1: EP 1 071 343, US 6 655615

### Technical data

Throughput	ca. 20t/h apples
Weight	430 kg
Dimensions	1'562 x 733 x 576 (L x W x H in mm)
Connected load	22 kW, 400V
Material:	Stainless steel (AISI 304) (with product contact)
Scope of supply:	Grinding mill, service switch

**Bucher Unipektin AG**  
 Murzlenstrasse 80  
 CH-8166 Niederweningen  
 Tel. +41 44 857 23 00  
 info@bucherunipektin.com  
 bucherunipektin.com

**Helpdesk**  
 Tel. +41 44 857 22 22  
 service@bucherunipektin.com

**Technical support**  
 Tel. +41 44 857 22 33  
 support@bucherunipektin.com

### Products and Services

Process technology for the processing of fruit and vegetables into juices, concentrates and purees production, for brewing solutions, for filtration, for milk powder production, for vacuum drying of liquid and solid products, freeze drying of coffee, tea, fruit, vegetables, etc. Technology for the dewatering of municipal and industrial biosolids and the filtration of drinking water.

### Products

Fruit reception lines, mills and crushers, mash heaters, hydraulic presses, extractors, membrane filtration equipment, cold block equipment, adsorbers, ion exchangers, evaporators, dealcoholisation and aroma systems, pasteurisers, CIP systems, vacuum and freeze drying cabinets and belt dryers, zeolite adsorbers, complete processing lines, tank farms, storage and processing tanks, mixing and dosing stations

### Services

Bucher customer portal and digital services, process development and project engineering, assembly and commissioning, technical support, original spare parts, inspection and maintenance, test centers, Bucher Academy