

TECHNICAL DATA

Size with standard frame

Overall length	4185 mm
Overall width	1850 mm
Overall height	2415 mm
In-feed chute width	740 mm
In-feed height	1500 mm
Discharge height	475 mm
Overall weight	4725kg

Supply voltage

220-400 v 3 phases 50-60hz

Motors

Rollers	2 x 7.5 kW
Auger	1 x 0.75 kW
Cage	1 x 4.00 kW

Rollers

Number of rollers	20
Roller diameter	168 mm
Roller length	2000 mm
Pitch	600-500 mm
Water connection	1 x 1" BSP

Capacity

2500-9000 kg/h depending on raw material type, quality and end product

Machine models:

COMBI-3000-CK	CARBORUNDUM ABRASIVE + KNIFE
COMBI-3000-KK	FULL KNIFE
COMBI-3000-CC	FULL CARBORUNDUM ABRASIVE
COMBI-3000-SK	STEEL ABRASIVE + KNIFE
COMBI-3000-SS	FULL STAINLESS STEEL ABRASIVE

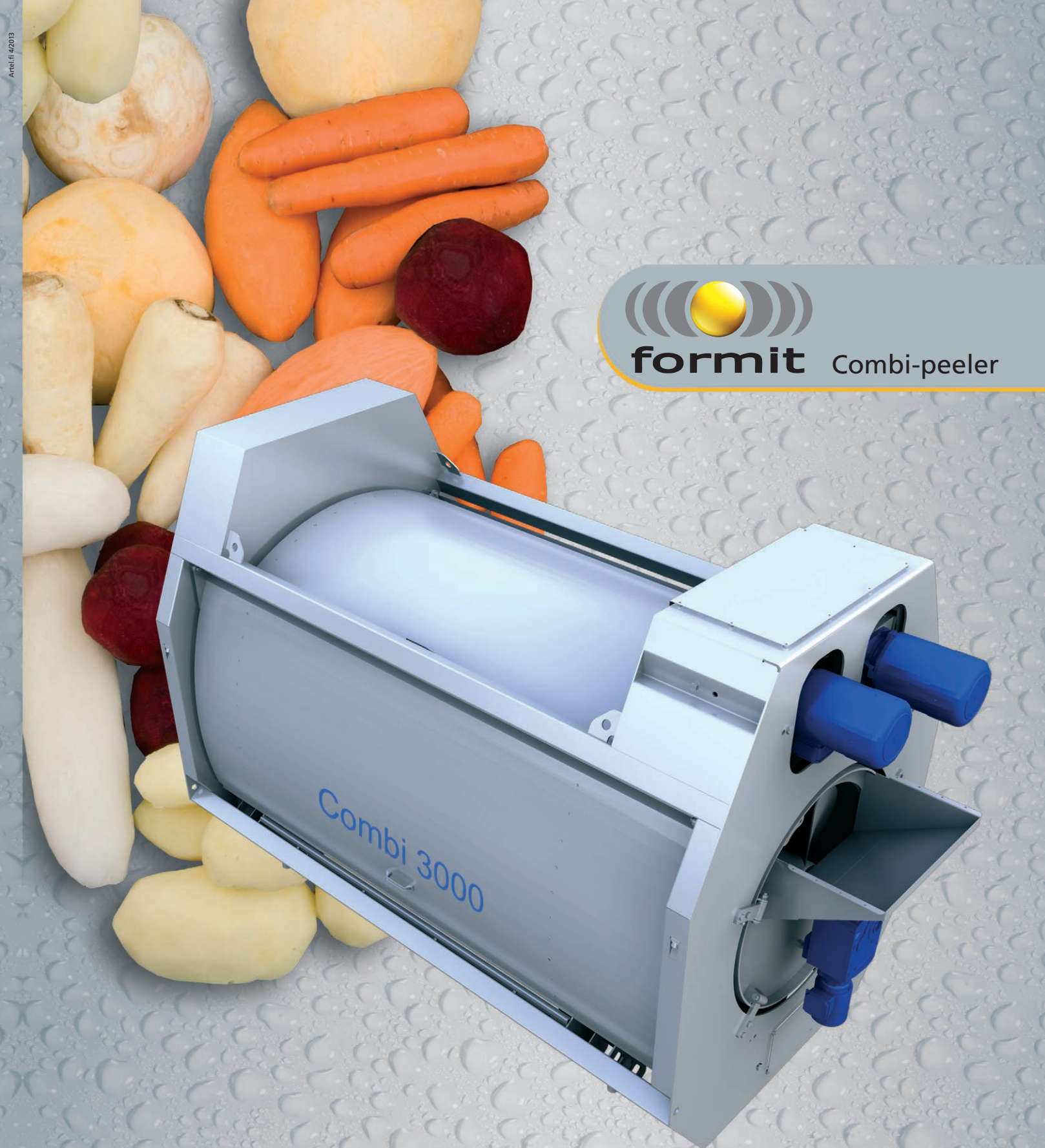
Because of continual improvements, strict accuracy of description and illustrations cannot be guaranteed.

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BIG CAPACITY KNIFE PEELING

KNIFE PEELING without WATER
for SMALL and BIG SIZED RAW MATERIAL



From raw material to a knife-peeled surface finish in one machine

The unique and patented EKKO Combi-peeler peels a clean raw material to a finished product with a knife cut surface in one machine. The combination of an abrasive peeling element and a knife peeling element on one roll gives advantages that cannot be found in any other peeling machine.

The abrasive part of the element removes/opens the outer skin of the raw material. This part of the process grants the knife elements a long lifetime. As the hard skin of the raw material is partially removed, the knife peeling is easier.

The Combi-3000 is a rotating cage peeler (also called revolver peeler). Twenty peeling rollers form an elongated drum. A full length auger regulates the retention time of the products in the peeler. The rollers, the drum and the auger all rotate separately and their rotation speed are separately adjusted with frequency converters. The rollers and the drum are driven by flat belts insuring a low noise level.

Both big and small products, hard and soft

The Combi-Peeler design allows the peeling of a wide range of products in the same peeler. The unique design with abrasive elements combined with knife element and adjustable speed on the rolls makes it possible to peel small potatoes and celeriac with the same machine. Also, very hard products as swede turnip or long products like carrots can be peeled.



Potatoes



Carrots



Beetroots



Carrots



Sweet potatoes



Parsnips



White radish

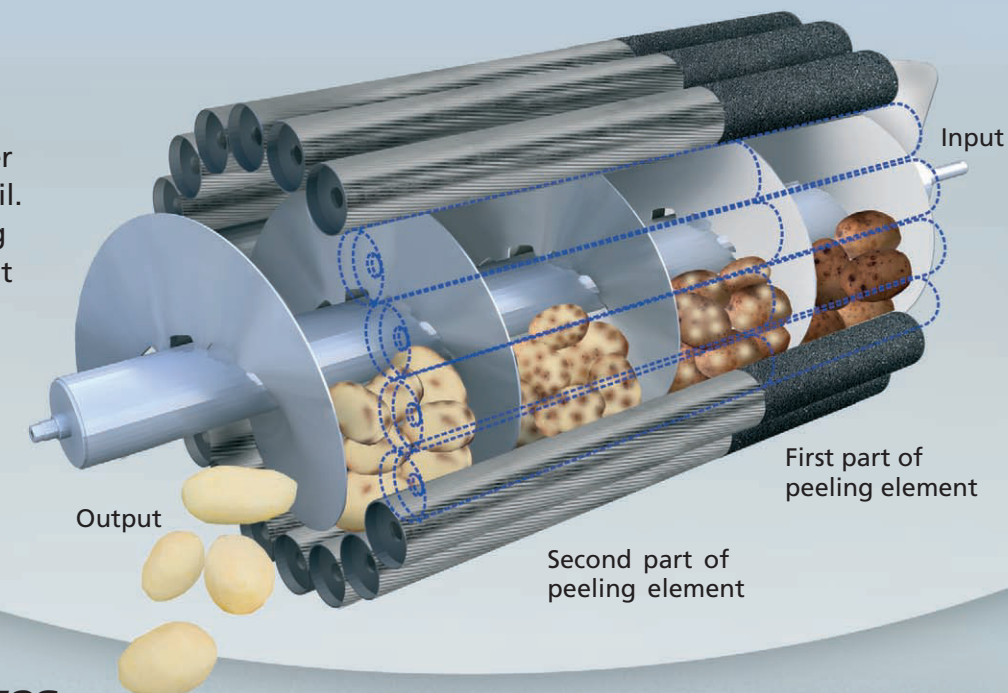


Swede turnip



Celeriac

First part of the peeling element removes the outer skin and any remaining soil. Second part of the peeling element gives the knife cut surface.

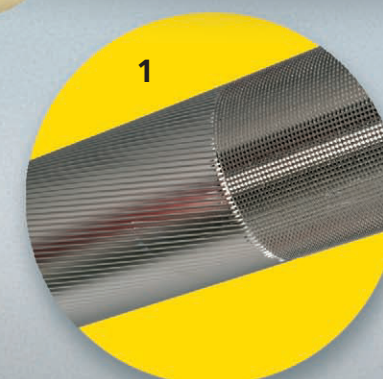


Element alternatives in the Combi-peeler

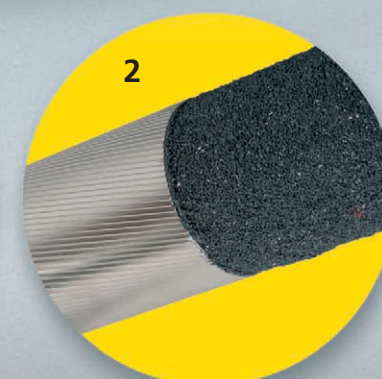
1) STAINLESS STEEL

ABRASIVE+KNIFE ELEMENT

The new abrasive stainless steel element combined with knife element gives effective peeling without leaving any particles from the peeling elements in the final product.



COMBI-1000KS
KNIFE+STEEL ABRASIVE

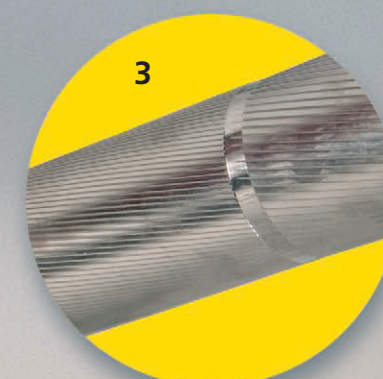


COMBI-1000KC
CARBORUNDUM ABRASIVE+KNIFE

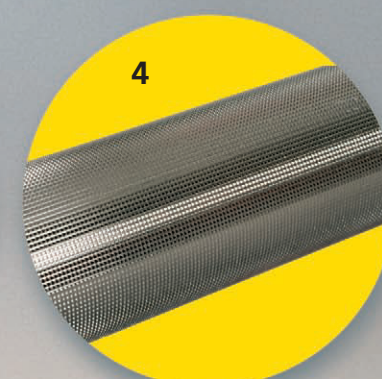
2) CARBORUNDUM

ABRASIVE+KNIFE ELEMENT

The abrasive carborundum element combined with knife element use the same working principle as the stainless steel abrasive element.



COMBI-1000KK
KNIFE+KNIFE



COMBI-1000SS
FULL STAINLESS STEEL ABRASIVE

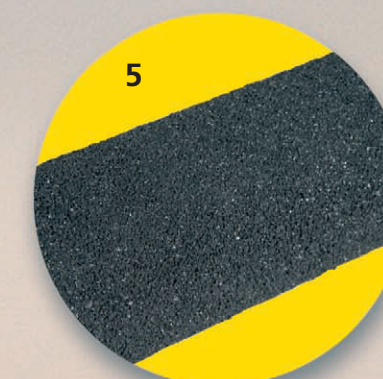
3) KNIFE+ FINISHING KNIFE

The combination of two knife elements on one roll gives a powerful peeling of a pre-peeled product. The first element can be equipped with rough cuttings and the second part with a finer cutting knife to achieve the best peeling results.

4) The new stainless steel abrasive roll elements for peeling of clean products.

5) ABRASIVE ELEMENTS

Carborundum abrasive roll elements for pre-peeling of all types of products. The roller can be gritted with two sizes of Carborundum.



COMBI-1000CC
FULL CARBORUNDUM ABRASIVE