

## Advanced technology and know-how for apiculture sector development



Creating added value with beekeeping



## Innovative technology and knowledge for organic honey production

uncapping	extracting	apiary equipment	ripening	liquifying
				

This Semi-automatic Honey Processing Equipment covers the complete value-chain of honey production. The machines proposed here are particularly suited for intensive commercial operation by 3-4 operators. Entirely manufactured by a European leading company in the apiary sector, the complete equipment is based on 75 years of experience and advanced technology guaranteeing food safety, durability, easy operation and maintenance.

<p><b>capping tank</b></p> <ul style="list-style-type: none"> <li>• For hanging uncapped</li> <li>• Stainless steel tray 150x48x42 cm</li> <li>• Lid, double stainless steel drain, plastic honeygate diam. 40 mm underneath</li> <li>• Complete with 4 wheels</li> </ul> <p><b>Uncapping tools</b></p> <ul style="list-style-type: none"> <li>• Three 28 cm uncapping knives of stainless steel, sharpened on both edges</li> <li>• Three uncapping forks</li> </ul>	    <p><b>Electric Tangential Extractor</b></p> <ul style="list-style-type: none"> <li>• Stainless steel cage holding 4 beehive frames</li> <li>• Diameter 520 mm</li> <li>• Low voltage electric motor with adjustable speed from 0 to 460 rpm</li> <li>• 40 mm diam. plastic honey gate</li> <li>• hinged clear lids</li> <li>• 3 removable legs</li> </ul> <p><b>Two 25 Kg Buckets</b></p> <ul style="list-style-type: none"> <li>• Stainless steel bucket to collect the honey under the honey extractor</li> <li>• capacity 25 kg</li> </ul>
<p><b>Honey ripener/maturator tank</b></p> <ul style="list-style-type: none"> <li>• 1 x 800 kg capacity tank</li> <li>• diam. 850 mm, Height 1,03 m</li> <li>• Full stainless steel body incl. metal support</li> <li>• full discharge bottom</li> <li>• With diam. 40 mm chromium plated honey gate and lid</li> <li>• Incl. honey strainer of stainless steel, 850 mm diameter</li> </ul>	  <p><b>Accessory tools</b></p> <ul style="list-style-type: none"> <li>• Three pieces of long steel hive tool</li> <li>• Three pieces of "American" steel hive tool</li> <li>• Three pieces of Beebrush with natural bristle</li> </ul>
<p><b>Three coverall suits incl. mask and gloves</b></p> <ul style="list-style-type: none"> <li>• made of white pre-shrunk cotton</li> <li>• with removable full-vision square mask incl black aluminum net and hat</li> <li>• professional leather gloves</li> </ul>	  <p><b>Two Smokers incl. four 20 kg fuel bags</b></p> <ul style="list-style-type: none"> <li>• Stainless steel smoker diam. 100 mm, 30 cm high</li> <li>• Easy-open lid, strong bellow, complete with heat shield and heavy-duty hinge.</li> <li>• Incl. four smoker fuel in 20 kg bag</li> </ul>
<p><b>OPTIONAL: Electrically heated warming cabinet</b></p> <ul style="list-style-type: none"> <li>• To liquify crystallized honey in one 300 Kg drum or twelve 25 Kg cans</li> <li>• insulated walls, fan for air circulation temperature control thermostat &amp; digital thermometer</li> <li>• 4 articulated wheels.</li> <li>• Absorption 1000W</li> </ul>	  <p><b>OPTIONAL: Electric filling machine</b></p> <ul style="list-style-type: none"> <li>• Adjustable height according to the jar dimensions.</li> <li>• Jar weight can be easily adjusted from 20g to 9 Kg by means of a keyboard</li> <li>• Made in stainless steel</li> </ul>

<p><b>This turnkey project includes..</b></p> <ul style="list-style-type: none"> <li>✓ complete processing equipment incl. working tools, personal protection equipment, connections and manuals</li> <li>✓ turnkey solution containing planning the project, defining functionality and profitability, conducting risk analyses, organizing transportation, custom duties, delivery and installation of the system including operational start-up and know-how transfer</li> <li>✓ intensive training courses held by technicians of the manufacturing company, first-hand knowledge about food-safe working methods, operation and maintenance of the processing line as well as of the most important technical specifications</li> <li>✓ comprehensive after-sales services ensuring our customers all benefits of the installation during its entire life cycle. Best customer services including timely technical assistance, reliable product warranties and readily available wear- and spare parts</li> </ul>
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## BACKGROUND INFORMATION



NOMADES Swiss has identified recurring problems affecting work in the apiary and in the honey-house with negative consequences like sub-optimal productivity, market-value loss due to honey crystallization and impurities or increased risk of illness for bee-colonies and health hazard for consumers.

Our fieldwork experience confirms the generally accepted view that apiculture is an extremely promising market, but currently poorly exploited. Our focus here is not primarily on the implementation of new bee colonies, but on the improvement of the existing local production chains which suffer from many shortcomings that can easily be amended (thus offering a maximal impact for the apicultural sector).

The main recurring problems that we have identified arise in the following fields:

- Colony management (selection, breeding, rearing as well as diseases, parasites, predators, etc.)
- Work in the apiary (quality of hives and frames, uncapping, handling of wax)
- Work in the honey-house (clarification, packaging)

Tools and know-how that we have observed in the field hinder both optimal harvesting and conditioning, thus generating a set of interrelated problems

- Important losses in terms of added-value (due to quality defects in the honey as marketed today)
- Far from optimal productivity (losses during the production process)
- Increased risks of illness for the bee colonies over the years (mostly due to lack of knowledge relative to wax handling)
- Health hazards for consumers due to problems in the conditioning process

In order to improve beeswax and honey production practices, NOMADES Swiss has developed tailor-made and extremely solid processing equipment for various production capacities. Our selection best fits local conditions of production in fragile contexts, such as power shortage or the expressed need for mobility. Every tool and machinery we recommend is manufactured by European companies and come with professional technical and reliable after-sales support.



Apiculture refers to the expertise and techniques for harvesting honey and other products from beehives. It is an activity perfectly suited for a philosophy of sustainable rural development at local and regional levels, which is a current top priority in developing countries today.

Some of the main assets of apiculture are

- provide rich and non-perishable nutritional additions to the rural diets, thus contributing to an improvement of basic public health
- generate products with an important added value, which can benefit different branches of the population
- consumers are extremely fond of honey and often the demand far exceeds the local production
- investments in the apicultural sector are safe and rapidly profitable, thus contributing to the reconstruction of the economy, needed for the welfare of the population and for political stability
- honey production is an activity that is complementary to other activities existing on the same agricultural lands. It allows diversification and optimization, with both direct consequences (sales of beekeeping products) and indirect ones improvement of other crops through better pollination)
- honey production can be undertaken by different people (landowner or not, men and women, etc.) and as a primary or a subsidiary activity

NOMADES Swiss has been active in the apicultural sector since the year 2000. We provide different health products for honeybees as well as state of the art apiary equipment. We are official partner of many apiary expert companies for our target countries. In close cooperation with the Provincial Federation of Apiculture (Neuchâtel, Switzerland) and selected other institutions for pathogenic agents identification, we also have experience in investigating new health problems affecting bees, beeswax or hives and can propose appropriate solutions.

We kindly invite you to explore our website to learn more about  
NOMADES Swiss food processing solutions.

[www.nomades-swiss.com](http://www.nomades-swiss.com)

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