

# BIENEN-VOIGT & WARNHOLZ GmbH & Co.KG

Groß- und Einzelhandel mit Imkereibedarf - Imkerei - Im- u. Export - Naturprodukte - Königinnenzuchtbetrieb  
Hersteller von Bienenzuchtgeräten - Producer of Beekeeping material



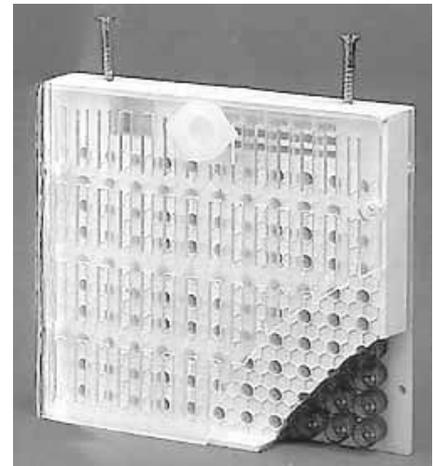
## Breeding/Grafting System



The breeding/grafting system consists of a breeding box/cassette with fake brood-cells. The front part can be closed by an excluder. On the back side 110 cellcups are placed (100 pcs. Are included in the set (advanced system, art.no. 11212) but also available separately (art.no. 12130))

### Use :

**Preparation:** the cell surface of the breeding cassette has to be covered with a thin layer of wax or a thin layer of honey. The best way is to put the liquid wax on it with a brush or a roll. Take care that the cassette has at least room-temperature because if not, the wax will build lumps and not stick properly to the surface. Put 110 cellcups (art.no. 12130) on the back part of the cassette. Cut out a piece of the brood-comb and fit the cassette in the middle of it. The cassette has got two drilled holes for screws to fix it to the upper bar of the frame. Take care that, when placing the cassette, it is in the middle of the brood-nest.



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After placing the excluder you add the breeder-queen through the opening in the evening. It is essential (!) that the comb facing the cassette is freely accessible . The queen will have finished the laying within a few hours. During the main breeding time/season the queen lays eggs into the cassette willingly. which means that you do not need the excluder at that time.

A stimulative feeding might be useful up to 10 days before. Eggs will hatch after 3 days. Now, with the cellcupholder (art.no. 12120), take the cellcups with young larvae and put them on the socket/support (article no. 12110) which you had mounted already before on a breeding-bar. On the 10<sup>th</sup> or 11<sup>th</sup> day the capped queen cells can be put into the "hatching (hair roler) cages" ( introducing cages = art.no. 12140)

Put a bit of food in the lid of the „hair roler cage“ (= introducing cage art.no. 12140) and some attendant bees. These cages can be used as introducing but also as postage cages .

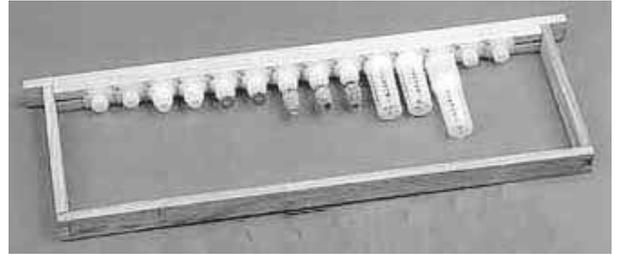
It is also possible to introduce a "foreign" queen . for this purpose there is a small space on the back part of the cassette with a "tunnel" to the front part. Close the "tunnel" with some candy and introduce the new queen through the hole in the cover-plate. Because of the latticed opening the queen is in contact with the workers meanwhile the food-lump is eaten away by the bees. The queen will be surely accepted and is safe directly below the excluder and lays her eggs directly into the breeding-cassette.

This system is also useful for checking artificially inseminated queens.

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### Advantages of the grafting/breeding system:

By limitation of the oviposition you get strong breeding-material and thus – good breeding results . The egg-laying and the acceptance is nearly 100% in the main breeding time. The transfer of larvae (the grafting) is quick and safe, no drying out, no cooling down or squeezing or squashing of larvae happens anymore.



With this grafting system every beekeeper has got an ideal tool for breeding queens.



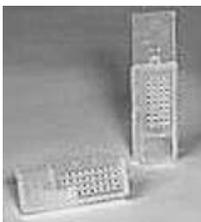
Socket /support(12110) cellcup holder (12110) cellcup (12130) introducing "hatching" cage(12140)

### Further accessories for the queen-breeding:



Cellprotector (Nr. 12150) allows transfer/grafting of „ready to hatch” cells. Herefore the cell has to be pushed into the cellprotector. The soft side-walls are protected by this. The cell can be introduced into a queenless colony without problems and is well accepted there.

The introducing cell (art.no. 12160) makes possible a second “hatch” of e.g. a marked queen in a colony or in a mating hive. The open part / opening of the cell is closed by a handmade little wax-plate and the queen is pushed into the cell from behind. Now the lid has to be closed and the cell is brought to / introduced to the colony. The queen hatches now a second time and is accepted without problems. If you want to use this device more than one time you have to take care it is thoroughly cleaned ! Specially the “air hole” must be free and allow good air-circulation so the queen is not asphyxiated.



The postage- and introducing cage (art.no. 11930) is ideal for the postage and introduction of queens. The cage is light (costs for postage!) and very stable. It has got a large food-compartment for the transport(-time). By breaking the tab an opening is produced through which the bees can “eat their way through”. This postage- and –introducing cage is, together with the introducing (“hatching” ) cage (art.no. 12140), the most popular postage-cage.

We wish you good luck and success with this system NC.