



GobletPacker



Automated goblet packing with intelligent design

The GobletPacker provides a precise and reliable solution for automatically filling 0.25 ml frozen straws into goblets in liquid nitrogen or nitrogen vapor. It is designed specifically for operation under these conditions, using special materials and components to ensure smooth and dependable performance.

The system consists of a goblet unit and a straw unit that holds up to 1,800 MiniStraws. Goblet sizes can be quickly adjusted without tools (7.1 / 9.2 / 10 / 12 / 13 / 13.5 / 35 / 53 / 65 mm).

Empty goblets are manually loaded into a cartridge, which is then inserted into the machine. A second cartridge can be prepared in parallel to enable a continuous and efficient workflow. The machine pre-counts the straws and inserts them into the goblets in batches to prevent interruptions caused by straws not fitting into nearly full goblets.

An optional mechanical lift allows the working height of the machine to be adjusted within a 5 cm range to accommodate varying LN₂ levels. Thanks to its thoughtful design, the GobletPacker remains accessible from all sides, ensuring ergonomic operation.



GobletPacker, 100-240 V

16825/0000

Focused on your needs

Reliable performance without the need for a 'babysitter'

High working speed

Easy and tool-free adjustment to different goblet sizes

Intelligent, sensor-based design

+ Smart combination

The 13.5 mm goblet (Ref.: 16914/0135) provides sufficient space for the fully automated loading of 25 straws without manual intervention, meeting the straw packaging requirements of many export markets.





★ Product features

- Packs up to 100 straws per minute into goblets of various diameters (7.1 / 9.2 / 10 / 12 / 13 / 13.5 / 35 / 53 / 65 mm)
- GobletPacker lift enables quick and easy adjustment to changing LN₂ levels in the vat
- Liquid nitrogen vat includes a drain for LN₂ recovery after processing
- Inventory mode for quantifying unknown straw volumes and counting of user-defined amounts
- Acoustic signals notify the user of required actions
- Intuitive touch display for simple operation

+ Your benefits

- + Time-consuming packaging is automated, reducing manual labor
- + Reduced handling of liquid nitrogen increases safety for laboratory personnel
- + Processing in liquid nitrogen/nitrogen vapor protects semen quality by maintaining a stable, ideal storage temperature without fluctuations
- + Intelligent, sensor-based design and specialized materials ensure accurate and reliable operation in liquid nitrogen/nitrogen vapor



The processing speed of up to 100 straws per minute, combined with continuous operation and parallel goblet reloading, delivers exceptional efficiency.

↔ Accessories

GobletPacker kit, 16825/002x
includes goblet funnel unit, 2 goblet wheels,
one size goblet cartridge*

Goblet cartridge for one goblet size* 16825/004x

Liquid nitrogen vat for GobletPacker, 16826/0010
volume 150 l, inner dimensions: 58 x 65 x 40 cm
(W x D x H), total size: 78 x 100 x 106 cm
(W x D x H), height not adjustable

For optimal operation, we highly recommend:

Liquid nitrogen vat for GobletPacker,
volume 150 l, inner dimensions: 58 x 65 x 40 cm, total size: 78 x 100 x 96-126 cm (W x D x H), electrically adjustable height for ergonomic working conditions

110 V 16826/0011

230 V 16826/0023

Lift for GobletPacker 16825/0005

*Available for 7.1 / 9.2 / 10 / 12 / 13 / 13.5 / 35 / 53 / 65 mm goblets.