



GEA HB Craft Cider Series

Multi-Functional Centrifuges for
Small and Mid-sized Cideries



engineering for
a better world

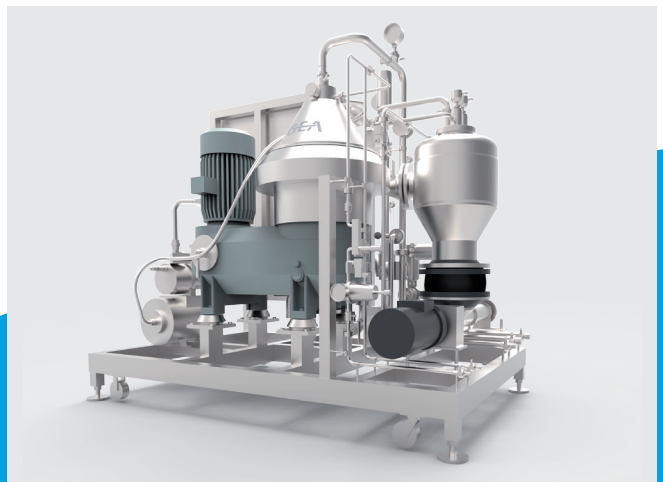
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Centrifuges Developed Specially for Craft Cideries



Whether your operation is just getting started or on the way to expansion, you can benefit from the HB Craft Cider Series centrifuge skid from GEA. This versatile equipment has a variety of applications in the cidery. Each application benefits the cidery by improving the consistency of the product, minimizing product losses, accelerating production time and, ultimately, increasing profitability. In fact, the payback for this equipment has proven to quickly justify the investment.

A good example of the return that can be expected from this equipment is found in the amount of salable cider that can be recovered from tank or barrel bottoms. Tank bottom volumes, including yeast and lees, contains 50 - 80% recoverable cider. Use of the HB Craft Cider centrifuge provides the cidery with a flexible solution to process their volumes and increase yield. Further, because the yeast and lees are now concentrated, they can be sold. And wastewater disposal costs are also significantly reduced.





Create More Cider

A large volume of perfect cider is lost in the process when cellaring-off lees. It's all money going down the drain. But with a GEA HB Craft Cider Series centrifuge, you can extract the maximum amount of cider every time.

Greater yield from the same resources

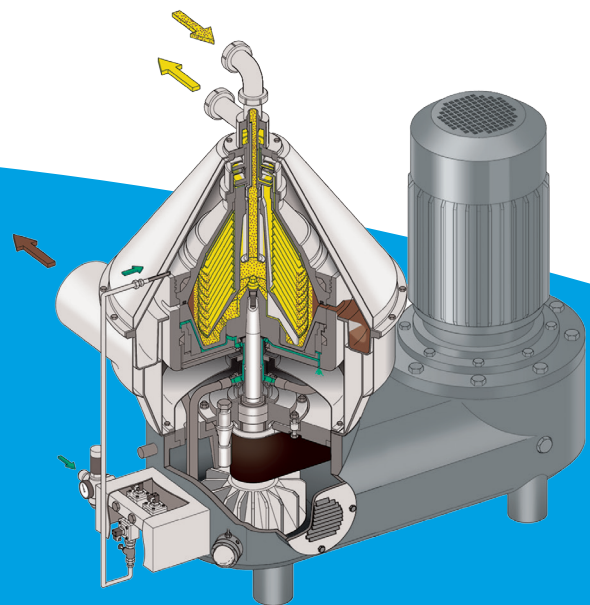
- 5 to 10% more cider from the same amount of raw ingredients (depending on recipe and process)
- Same amount of cider processed with decisively reduced effort (less energy and hours of work)
- Multi-purpose applications in the cidery take your business to the next level!

Separation is the secret

The g-force in a rotating centrifuge achieves all these benefits for you. It separates the solids from the valuable liquid product. The result: You create more cider.

THE CENTRIFUGE DOES IT

The mixture to be separated enters the rotating centrifuge bowl – with a combined surface equivalent to 80 soccer fields. The higher density of the solids means they are forced towards the bottoms and the outer solids discharge chamber. The remaining liquid in the disk stack is caught by a centripetal pump and moved to the outlet pipe at the top end of the centrifuge.



Cuts Down Production Time

Optimize your processes with a HB Craft Cider Series centrifuge.

It takes time to make a great cider. But you can optimize the process by using the HB Craft Cider Series centrifuge for all clarification steps. Centrifugation multiplies the clarifying power of natural gravity, thus saving production time and allowing a faster route to market. For this and many other reasons, GEA centrifuges mean a fast return on investment!



Be faster on the market

GEA centrifuge skids for craft cideries optimize the production time by about one third without any loss of quality. Each batch moves through faster for better utilization of equipment. You are always ready for a new batch, so that you can roll out cider without having to wait.

No limits to your flexibility

Traditional settling processes in craft cideries are time consuming and lead to high losses. Depending on recipes and ingredients, this can take weeks. With a centrifuge you can shorten that time by about a third. No matter the size of your cidery, there's no further limit to your flexibility and speed in marketing products.

With or without filtration

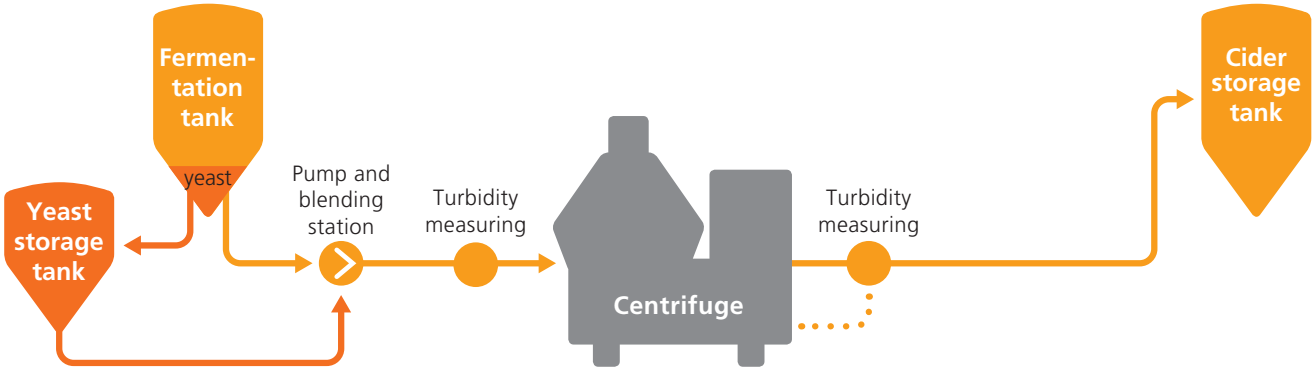
GEA HB Craft Cider Series centrifuge skids offer an ideal alternative to filtration. They achieve consistent clarity and taste of the cider, ensuring reproducible product quality from batch to batch. The disk stack in contact with the product is made of inert stainless steel, thus no unwanted filter media flavors are released into the product. The cider displays its full taste, with all the natural properties of high-quality ingredients left intact.



One Installation, Multiple Applications

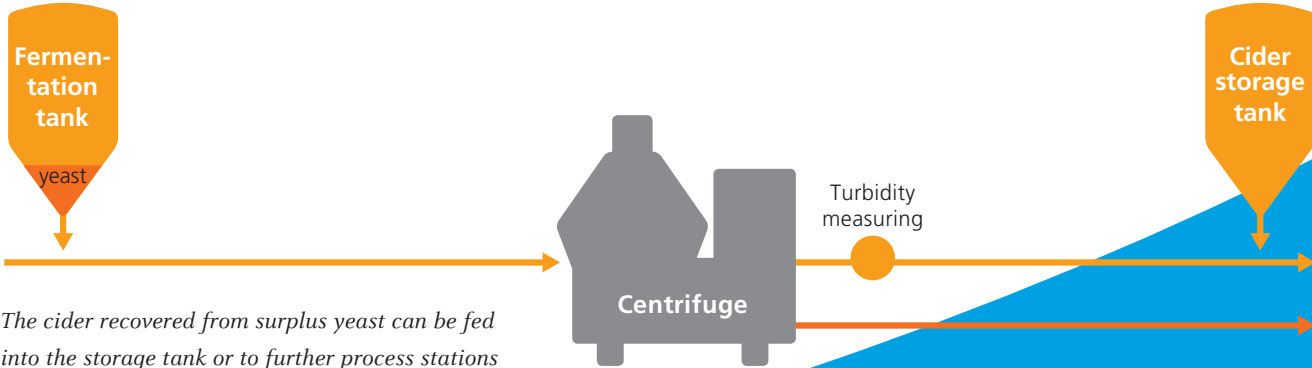
GEA's special HB Craft Cider Series skids cover, among many applications, two central processes, with a minimum footprint and minor adjustment. Each application and its benefits have been thoroughly tested.

Cider Blend Clarification with added Flavors/Stabilizers



Optional equipment for dosing of surplus yeast into unclarified cider resulting in more cider gained from the process and, therefore, improved efficiency.

Cider Recovery from Tank Bottoms



The cider recovered from surplus yeast can be fed into the storage tank or to further process stations with minimum system adjustment effort.

Our specialists are ready to provide extensive advice regarding the efficient integration of your machine.

Sized for Your Cidery

Available in different sizes, each GEA HB Cider Series skid is equipped with state-of-the-art technology in every detail. Centrifuge models are also available as un-skidded stand-alone units.

Superior technology



Ready-to-start kits



Minimized oxygen pick-up



Gentle product handling



Automatic Cleaning- in-Place (CIP)



Fast and precise ejections

Superior efficiency



More cider from every batch



Faster processing / more batches in a timeline



One skid – multiple applications



- The GEA HB Craft Cider Series centrifuge skids are equipped with the patented **hydry[®]** ejection system.
- The solids ejected with this system are concentrated to a maximum for more cider from each batch.
- To prevent oxygen pick-up, all machines are equipped with maintenance-free hydrohermetic sealing.
- GEA always ensures highly gentle handling of products with our hydrosoft feed system.
- All skids come with a simple-to-operate control module.
- Each fully automated, stand-alone GEA HB Craft Cider Series skid is ready for instant integration into your existing piping matrix.



GEA HB0125 Craft Cider Skid

Cider clarification	up to 20 hl/h
Tank bottoms recovery	1 hl/h
Dimensions (H/W/D)	1500 × 1150 × 1650 mm
Motor	5.5 kW

Ideal for small cideries with great vision and for test applications.

**GEA HB025 Craft Cider Skid**

Cider clarification	up to 50 hl/h
Tank bottoms recovery	2 hl/h
Dimensions (H/W/D)	1500 × 1150 × 1650 mm
Motor	7.5 kW

Perfect for medium-sized creative cideries beginning to expand their market share.

**GEA HB05 Craft Cider Skid**

Cider clarification	up to 100 hl/h
Tank bottoms recovery	3 hl/h
Dimensions (H/W/D)	1950 × 1400 × 2050 mm
Motor	15 kW

The right choice for growing medium-to-large-size creative cideries and established regional cider houses.



Our GEA Service Commitment

Our continuing promise is to provide customers with round-the-clock support that maximizes productivity and minimizes downtime.

- **Original manufacturer's spare parts** – We house a large inventory of parts throughout our 6 office network. These are ready to be shipped out with a 24-hour turn-around. Only genuine GEA parts are manufactured under the same strict quality control and using the same specifications and materials as our original equipment.
- **Factory-Authorized Repairs** – We offer two full-service repair facilities, one on the West Coast (Patterson, CA) and one on the East Coast (Northvale, NJ). This helps to speed up repair times and keep transportation costs down. Both

facilities are factory-certified and are staffed with experienced technicians who have undergone extensive training. If needed, we offer over 100 rental scrolls or bowl assemblies to keep customers up and running while repairs are underway.

- **Field Service** – We have an extensive field service team to perform routine and preventive maintenance and to handle any emergencies that may come up. Located throughout North America, these service technicians are strategically positioned in areas where their industry and process-specific knowledge is most valuable. Our service engineers are on call 24/7.



We live our values.

Excellence • Passion • Integrity • Responsibility • GEA-versity

GEA Group is a global engineering company with multi-billion euro sales and operations in more than 50 countries. Founded in 1881, the company is one of the largest providers of innovative equipment and process technology. GEA Group is listed in the STOXX® Europe 600 Index.

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