

LEVEL UP YOUR CRAFT.

GEA plug & win i craft beer centrifuge – updated for even more output and speed, reproducible quality and sustainable operation.





Give your brew the
spin that it deserves.

Meet the game-changing GEA plug & win i craft beer centrifuge – now better than ever with a sustainable direct drive and with automated valves to maintain the perfect look, feel, and quality of your beer with safety and ease, batch after batch!

TRIPLE WIN – ALL YOURS.



Make more beer in less time and safeguard consistent quality with state of-the-art options.



More beer – greater yield from the same resources

Don't waste quality beer trapped in hop solids, surplus yeast, and trub. This cutting-edge beer centrifuge maximizes every brew, delivering up to 10% more beer from the same ingredients (depending on beer recipe and brewing process). It's efficient and sustainable, achieving the same output for you to sell with reduced energy, materials and work hours.



Faster to the market – optimized utilization of your plant

Crafting an exceptional beer takes time, yet the process can be streamlined using the centrifuge for all clarification stages. This can reduce brewing cycles by up to 30% for a faster time to market and swift return on investment. Plus, the condensed process requires less tank capacity.



Reproducible quality – batch by batch

Great beer demands quality and consistent reproducibility. Your customers should be able to recognize your beer by its turbidity. Comprehensive automation options make sure your beer comes out right every time. Centrifugation removes yeast no longer needed for best results as yeast can be a diva in many respects.

ONE SKID DOES THE TRICK.



The multi-talented GEA plug & win i skids come with built-in connections, tools and automated controls for numerous process improvements.

Clarification of hot wort

Win more beer from each brew by clarifying the hot wort.

Processing of tank bottoms for beer recovery

Tank bottoms contain up to 80 percent perfectly brewed beer – simply recover and sell it!

Final beer clarification

Replaces or supports kieselguhr filtration (depending on the type of beer) with efficiency and flexibility. Reduce beer losses in dry hopping sediment.

Green beer clarification

Remove yeast and coarse solids after fermentation to reduce losses in tank bottoms at maximum quality. Prevent autolysis in the cold maturation.

Turbidity adjustment

Ensure perfectly a reproducible beer quality. Adjust the centrifuge, e.g. for your wheat beer, to leave just the right turbidity.

Clarification of beers with added flavors / stabilizers

Make your beer with exactly the composition of ingredients you want.

Process beer with automated yeast dosing

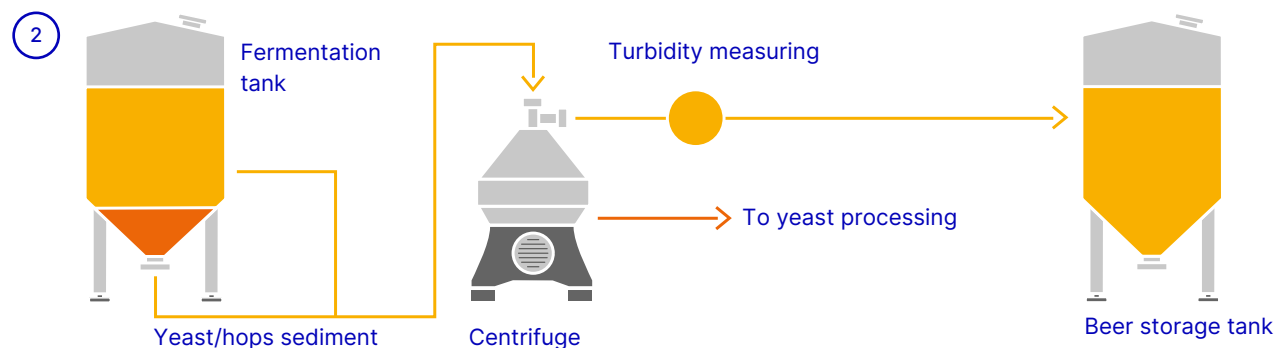
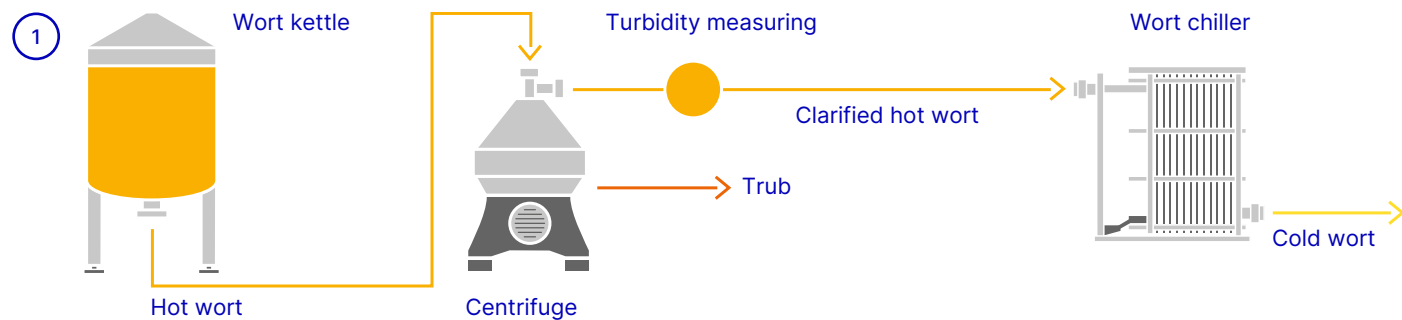
Process surplus yeast with your beer and control the results in the subsequent centrifugation stage.

Inline carbonization (option)

Carbonizing without further equipment – the best way to add the sparkle.

Intelligent process integration is the key

GEA separation specialists help you to design the perfect layout of your craft skid.



Start with a basic beer clarification setup. Connect the centrifuge to additional stations for more benefits and savings. Or, we can help you design a flexible piping configuration right away!

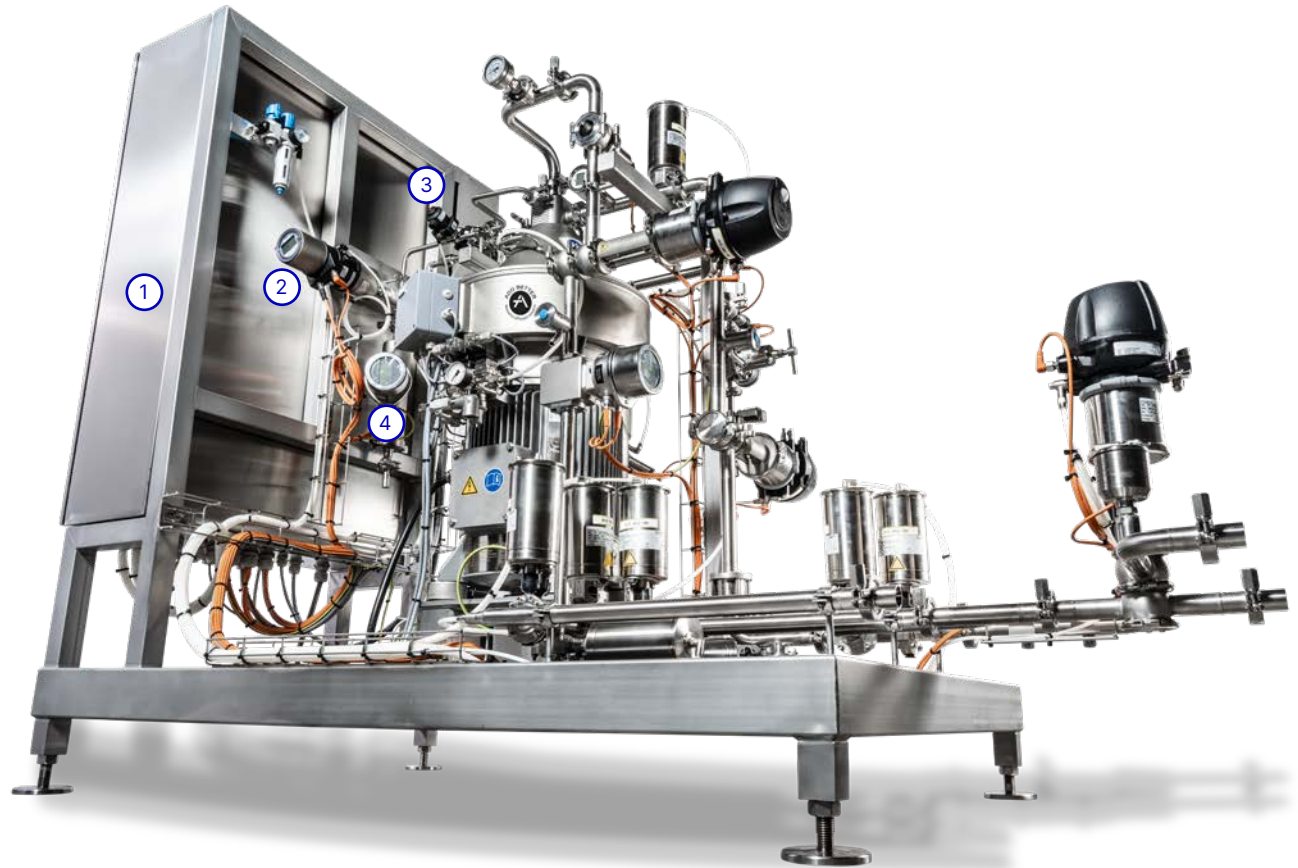
1 Clarifying the hot wort

...means safe, secure and efficient trub separation even with high gravity beers at > 20° Plato and hop loads over 2 kg/hl. Trub consistency is firm to crumbly. No additional machine needed with the multi-functional GEA centrifuge skids.

2 Clarification of green and dry hopped beer

...means re-injection of surplus yeast and settled solids into the beer stream and homogenization of the tank prior to separation. More beer gained from the process.

Safe inline carbonation



Inline carbonation unit

The plug & win i centrifuge skid offers an optional carbonation extension, eliminating the need for a separate unit and tank. Inline carbonation provides exceptionally precise control that ensures consistency across batches, no matter the size of the brewery.

No separate carbonation unit and tank required

The beer is carbonated in the centrifuge via the feed line in the bowl. The same centrifugal force that removes particles also helps dissolve the gas, creating small, equal bubbles for great head retention.

Saves tank space, reduces quality risks

Packaging is possible shortly after inline carbonation and separation.

Efficient automation

Besides manual carbonation adjustment, automated inline carbonation is possible for even greater consistency and less effort. This system measures the CO₂ level in the product discharge line and automatically adjusts dosing.

Seamless integration

The inline carbonation extension provides real-time monitoring and data collection, allowing brewers to fine-tune recipes and optimize production for maximum quality and efficiency.

Optional beer cooler

Add the beer cooler to your plug & win i skid to get more quality recipe options out of your system.

GEA plug & win i skid with inline carbonation

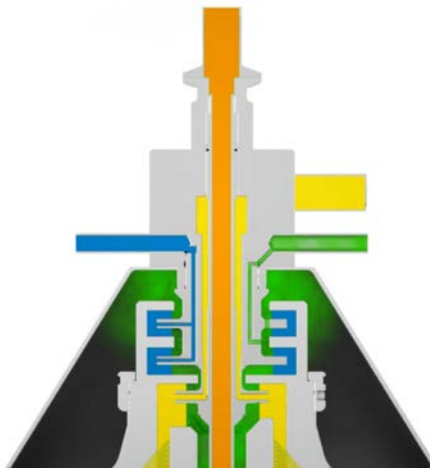
- 1 Carbonation control unit
- 2 Modulating control valve
- 3 Shut-off valve
- 4 Mass flowmeter

NO OXYGEN PICKUP.



The unique GEA twin hydrohermetic sealing on GEA's beer centrifuges completely seals the product from the atmosphere, eliminating numerous problems for the brewer.

Oxygen is safely kept away from the beer, simply with water and CO₂ used in a wear-free sealing system on the top of the bowl. The beer is fed gently into the bowl via the hydrohermetic feed system.



The GEA twin hydrohermetic sealing: Considerable reduction of oxygen intake.

Keeps more beer in the process: GEA hydrostop

You want your beer to be good and not disposed with wet solids.

The hydrostop system engineered by GEA ejects the solids from the separator bowl in continuous operation within fractions of seconds to keep the beer in the process and maximize yield.

MORE SUSTAINABLE, EFFECTIVE NOW.



Less energy, less space, low noise:

GEA plug & win i craft beer skids feature a low-noise Integrated directDrive as known from GEA's large-scale beer centrifuges. The directDrive translates to up to 10% less energy consumption in centrifuge operation. This saves money every day while reducing the carbon footprint. Operating at a noise level of below 76 dB(A), the Integrated directDrive also enhances the overall tranquility and efficiency within the brewery.

Thanks to the low-wear directDrive, service intervals for the plug & win i centrifuge are by 100% longer than before. In a pioneering move, the unique exchange of the compact drive unit allows for a swift and simple service. This helps saving service times and having the centrifuge ready anytime you need it.

Your advantages at a glance:

- up to 10 percent less energy consumption
- convenient noise level below 76 dB(A) during operation
- about 30 percent less machine footprint
- up to 100 percent longer service intervals – less downtimes, more availability

Add Better:

Empowering customers with resource-efficient solutions

As one of our most resource-efficient solutions, our GEA plug & win i separator skid carries the Add Better label.*

The high-efficiency motor transfers energy directly to the bowl without the use of belts and clutches. This reduces the energy consumption of the GEA plug & win i by up to 10% compared to the predecessor model.

The GEA plug & win i has also service intervals extended by 100% and a noise level reduced to below 76 dB(A) during operation.



* The Add Better label relates to the serial product GEA plug & win i separator skid released in September 2022. The comparison refers to its predecessor model, the GEA plug & win separator skid. Figures have been validated according ISO 14021 by TÜV Rheinland, one of the world's leading testing service providers.

Safeguarding batch quality, thanks to increased automation



Beer enthusiasts crave the recognizable appearance, texture, and flavor of their favorite brands. For brewers, ensuring a consistent, error-free brewing process is crucial. Numerous sophisticated automated features on the plug & win i centrifuge help you attain these goals.

Automatic feed and discharge control

Depending on the feed's solid load, the flow rate and the discharge intervals are automatically controlled to optimize clarification results and process time.

Smoother clarification

The back pressure is automatically adjusted according to the feed flow that you select. This ensures a constant optimal clarification of the batch, without the risk of operational errors.

Idle mode to keep the temperature constant

The centrifuge features an automated function for the water and sewer valves to flush the system during production breaks, keeping the operational temperature at the ideal level. To save water and energy, the idle mode runs at reduced bowl speed.

Integrated recirculation connections

Recirculation connections are included in the plug & win i skid as standard and allow the beer to be recircled into the feed or back to the feed tank, if required for better results, by simply changing the integrated swing bend.

Ecological yeast discharge option

Is discharging larger yeast amounts an issue for you regarding local requirements? For ecological handling of the yeast an automatic solids pump is available – strongly recommended in combination with the bigger centrifuge models.

Optional vibration control

Sensors on the machine can be added to detect unwanted vibrations, thus preventing heavy damages of the machine before they may occur.

Open "data highway"

A bus control for the integration into the overall plant control system is available on request.

Go for it!

GEA plug & win i centrifuge skids come in different versions for every brewery size – one is right for you!



GEA "plug & win i" 50

Ideal for small breweries with great visions and for test applications.

Beer clarification	up to 50 hl/h
Wort clarification	20 – 50 hl/h
Dimensions (H/W/L)	1.750 × 1.200 × 1.750 mm
Motor size separator	11 kW
Motor size solids pump	0.75 kW
Pipe dimension feed	DN 25
Pipe dim. discharge	DN 25



GEA "plug & win i" 100

For growing medium-to-large-size creative breweries and established regional brewhouses.

Beer clarification	up to 100 hl/h
Wort clarification	50 – 100 hl/h
Dimensions (H/W/L)	1.870 × 1.300 × 1.900 mm
Motor size separator	18.5 kW
Motor size solids pump	1.5 kW
Pipe dimension feed	DN 40
Pipe dim. discharge	DN 40



GEA "plug & win i" 180

For medium-size creative breweries beginning to expand their market share.

Beer clarification	up to 180 hl/h
Tank bottom recovery	6 hl/h
Wort clarification	100 – 180 hl/h
Dimensions (H/W/L)	1.870 × 1.480 × 2.000 mm
Motor size separator	30 kW
Motor size solids pump	1.5 kW
Pipe dimension feed	DN 50
Pipe dim. discharge	DN 50



GEA "plug & win i" 300

For larger creative breweries & high-potential side operations of established beer producers.

Beer clarification	up to 300 hl/h
Tank bottom recovery	6 hl/h
Wort clarification	up to 180 hl/h
Dimensions (H/W/L)	approx. 1.870 × 1.480 × 2.000 mm
Motor size separator	30 kW
Motor size solids pump	1.5 kW
Pipe dimension feed	DN 65
Pipe dim. discharge	DN 65

GEA Westfalia Separator Group GmbH

Werner-Habig-Straße 1
59302 Oelde, Germany

Tel +49 2522 77-0
gea.com/contact