



Index

From green coffee to packaging _____ **04**

Green coffee processing _____ **06**

- Green coffee loading
- Silo systems
- Transport systems

Roasting _____ **14**

- Roasters
- Emission cleaning

Roasted coffee processing _____ **20**

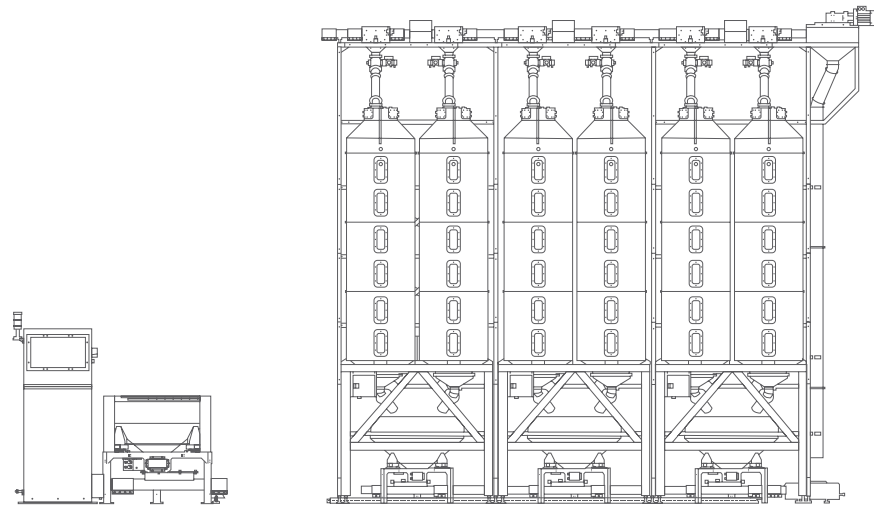
- Destoners
- Mixer
- Silo systems
- Packaging

Operational excellence _____ **28**

- Giesen.Cloud
- Service and support
- Maintenance

From green coffee to packaging

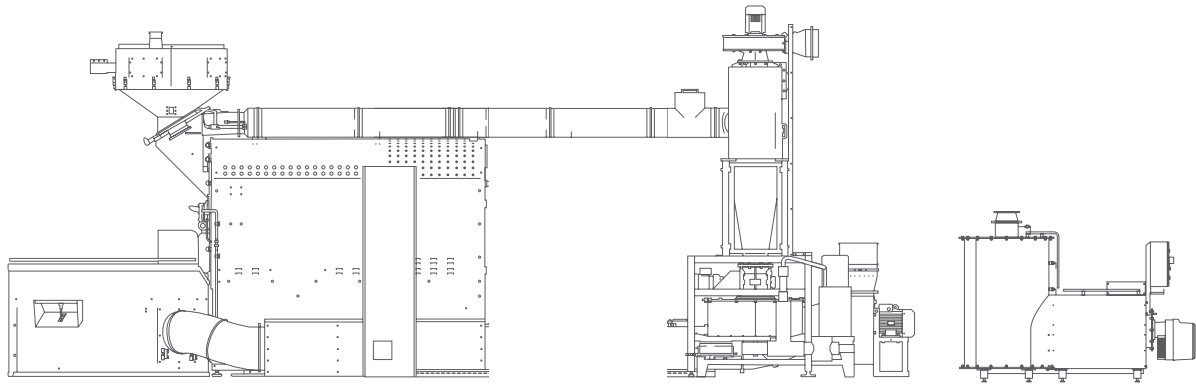
Everything you need, all in one place.



Green Coffee Processing

Eliminate bottlenecks and manual hassle with a clean, ergonomic green coffee handling system that keeps your roasting process smooth and consistent.

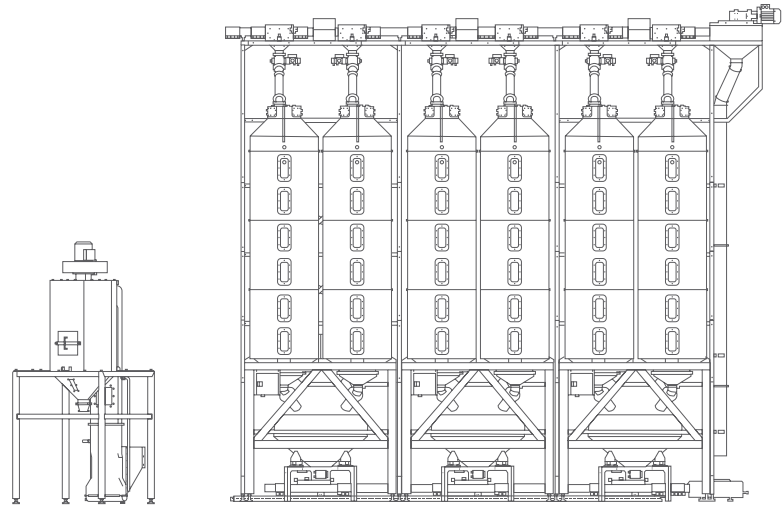
Page 06



Roasting

Reduce emissions and keep your roasting operation compliant with roasters tailored to your production needs.

Page 12



Roasted Coffee Processing

Keep quality high and production flowing with clean, controlled post-roast handling that removes impurities and ensures consistent blends.

Page 16

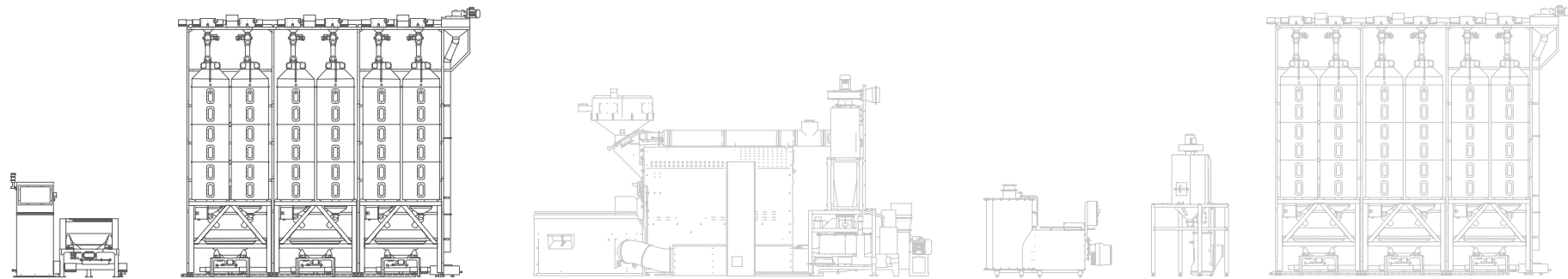
OPERATIONAL EXCELLENCE

Gain full control and real-time visibility with a central hub that unites your entire roasting line, streamlining operations and enabling smarter, scalable production.

Page 22

Green coffee processing

From bag to silo.

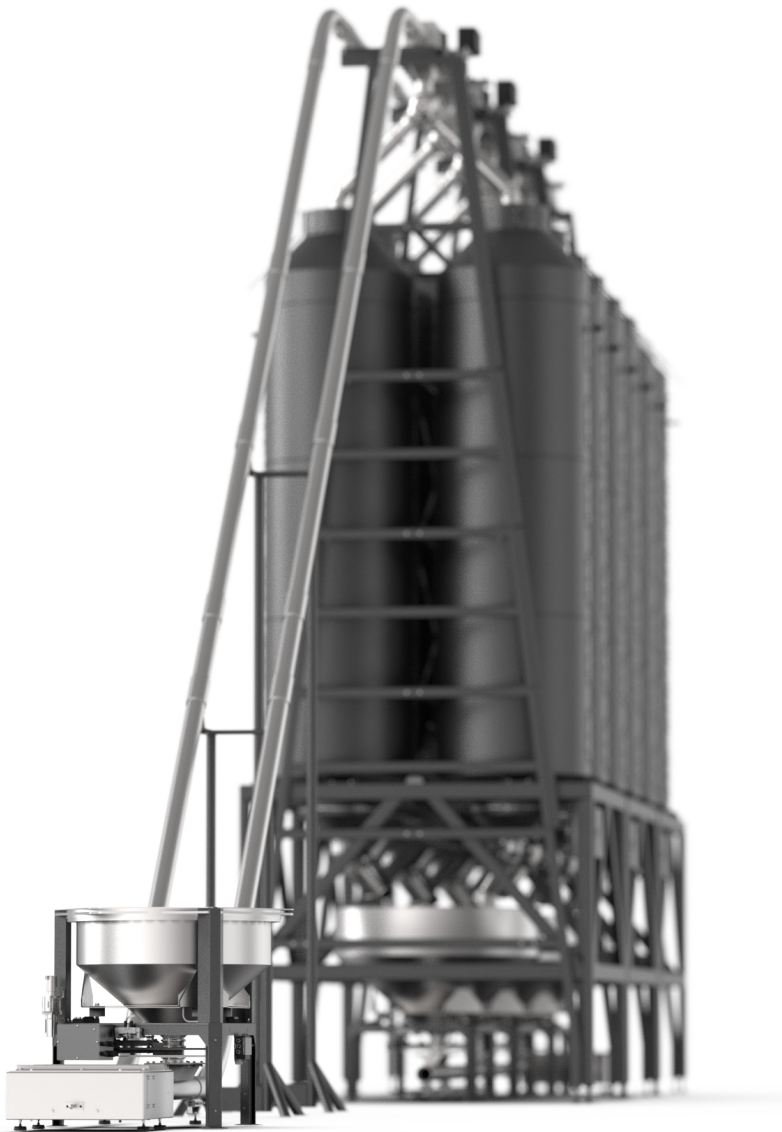


- Green Coffee Loading
- Silo Systems
- Transport Systems

Green coffee loading station

A smooth roasting process starts with efficient green coffee handling. Giesen's loading stations, transport systems, and silos create a clean, ergonomic, and fully controlled flow from intake to roasting—eliminating bottlenecks, reducing manual work, and keeping production consistent and uninterrupted.

Every smooth roasting process begins long before the beans reach the roaster. Unloading heavy bags by hand can be slow, messy, and physically demanding—especially in high-volume production. Our Green Coffee Loading Station is designed to take that burden off your team. It creates a clean, ergonomic starting point for your coffee's journey, speeding up intake while reducing manual handling and the risk of contamination. From this central point, your beans seamlessly move into the chosen transport system—setting the stage for a streamlined, controlled workflow.





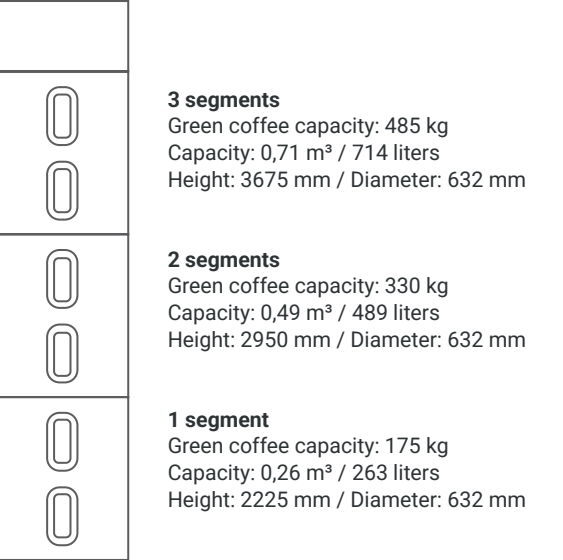
Industrial silos

Green coffee silo systems

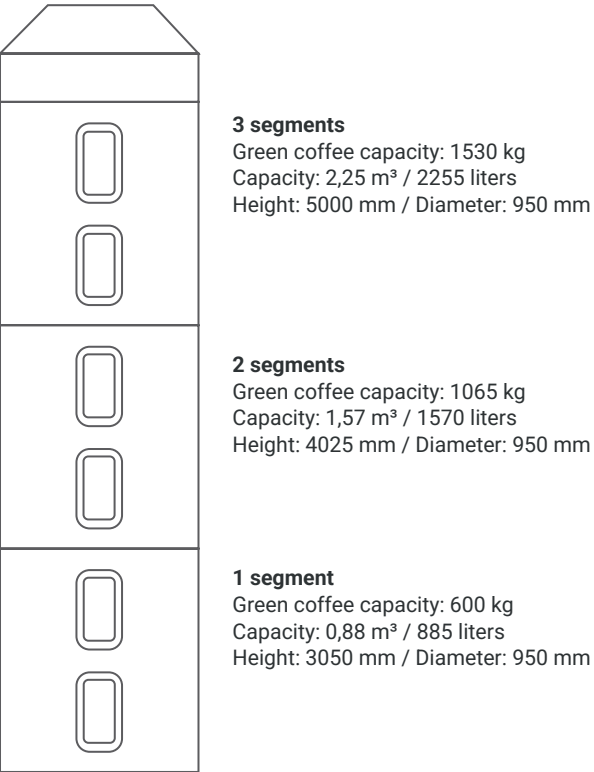
The perfect size silo system for any roasting plant

Green coffee needs a clean, organized place to wait before roasting—without causing clutter, confusion, or production delays. Giesen Silos act as the essential buffer between intake and roasting, giving you full control over your flow and inventory. By integrating seamlessly with your transport system, they ensure that each batch is exactly where it needs to be, when it needs to be—so your production never skips a beat.

For any roastery, space and flexibility often go hand in hand. Our Silos are designed to help you get the most out of your facility while keeping your coffee in top condition. Their modular design allows you to build a setup that fits your exact needs—whether that means one, two, or three storage segments per unit. This flexibility makes it easy to scale as your production grows, without having to redesign your entire layout.



Available from 3 silo's per system



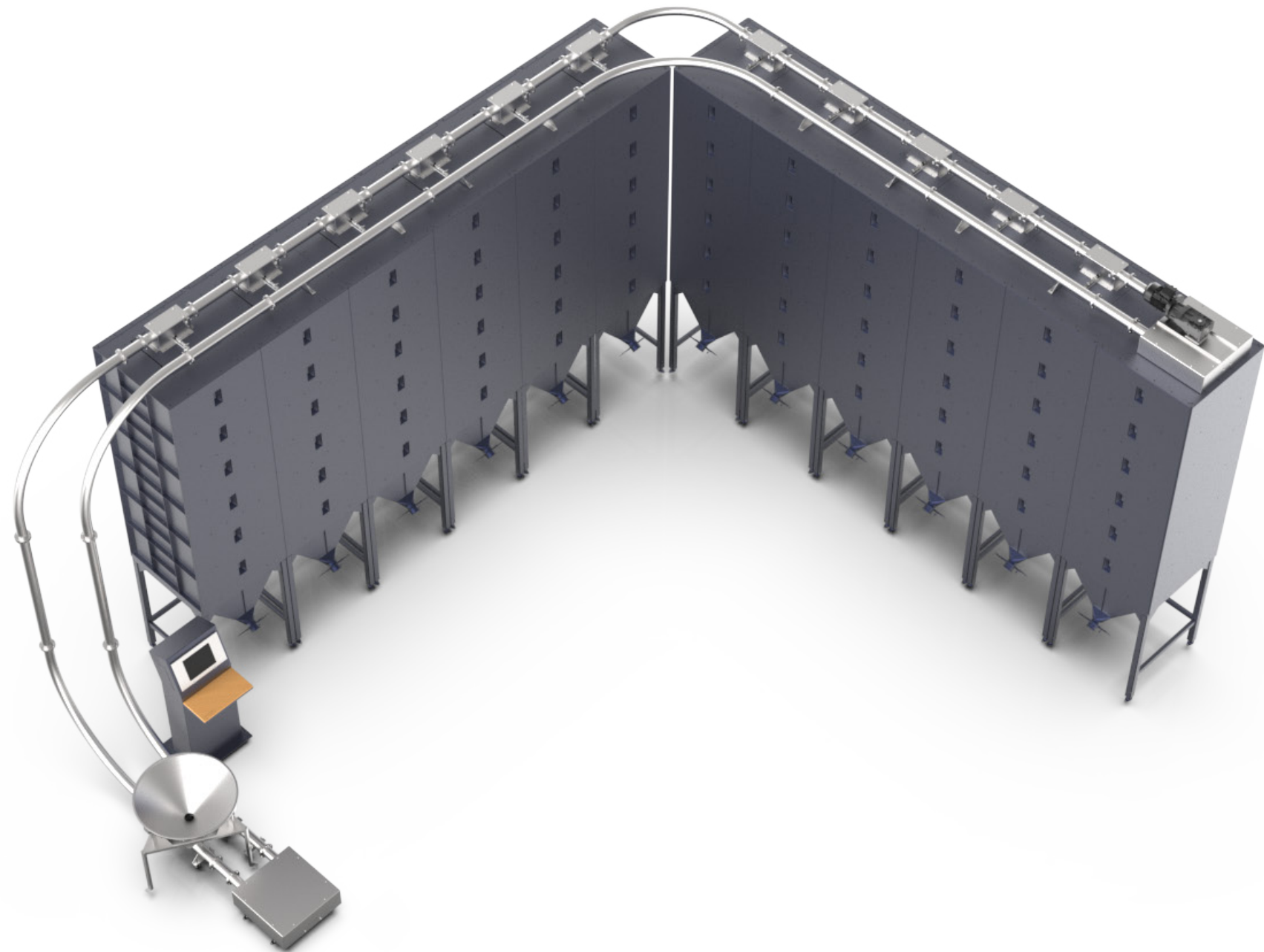
Available from 2 silo's per system



Highly customizable

We offer custom solutions tailored to your roastery needs. Please get in contact with us to discuss the options.

Custom silos



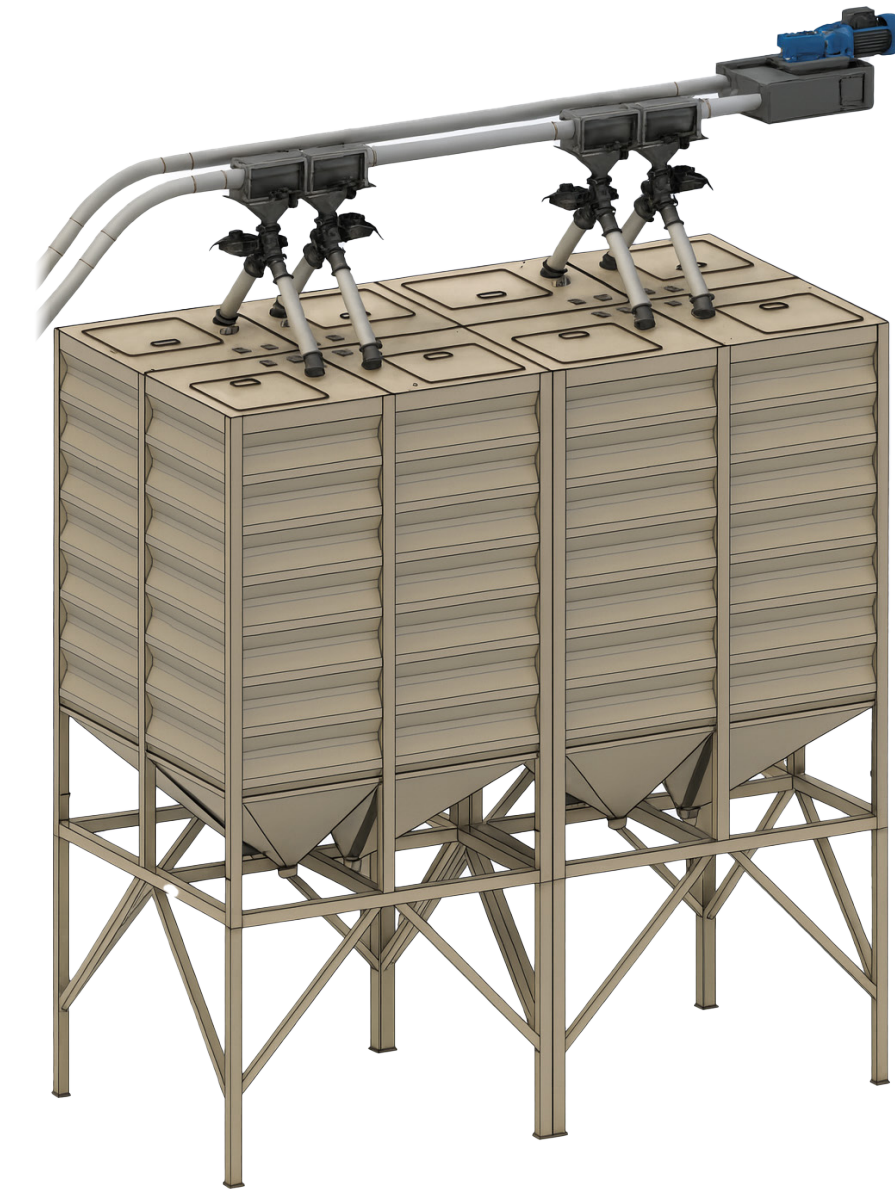
Custom high-capacity green coffee silos

Our square steel coffee silos are engineered to store and handle your beans with maximum efficiency, safety, and care. Perfectly matching the standards of the world's finest roasters.

Each silo is built around one clear philosophy: less is more. With an optimized square structure and modular construction, our custom silos deliver more capacity in less space, ensuring a clean, compact, and efficient workflow.

Whether you're managing green coffee or roasted coffee, our customized high-capacity coffee silos integrate seamlessly with your roasting and transport systems. Designed to European engineering standards, we offer reliability you can count on.

- Precision-engineered construction for strength, hygiene, and longevity
- Food-grade finishes to preserve bean quality from storage to roasting
- Modular, pre-assembled design for quick installation and easy maintenance
- Expandable system layout to grow with your production
- Optional access platforms and ladders for safe and convenient operation



Transport systems

In industrial roasting, bottlenecks don't just slow you down—they affect consistency, quality, and even profitability. That's why efficient coffee flow between intake, storage, roasting, and packaging is crucial. Giesen offers tailored transport solutions to keep your operation moving without interruptions. Whether you're working with limited space, multiple production lines, or aiming for maximum automation, our systems are designed to fit your layout and minimize downtime.

Chain transport system

When reliability and gentle handling are top priorities, the mechanical system provides a robust solution. It eliminates the constant lifting, scooping, and carrying that slow down production and increase labor costs. By creating a stable, continuous flow, it prevents unnecessary bean damage and ensures every batch reaches the next step exactly as intended. This system is ideal for facilities that need predictable, long-term performance with minimal maintenance.



Vacuum transport system

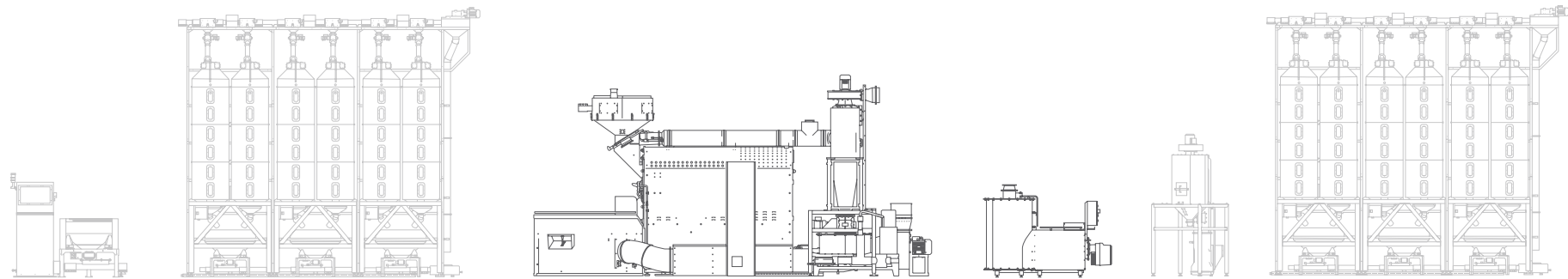
Space constraints, hygiene requirements, and precision demands often make traditional conveying methods a challenge. The vacuum system overcomes these barriers by transporting beans cleanly and quietly—both vertically and horizontally. It reduces product loss, keeps your environment dust-free, and gives you full control over the flow of coffee between different production zones. This is particularly valuable for roasteries that need flexible routing or want to maintain the highest possible hygiene standards.



Black Knight Coffee, Saudi Arabia

Roasting

From silo to roaster.



- Roasters
- Emission Cleaning

At the heart of the roasting process is one or more of our Giesen Pro-series roasters, available in various models to fit your capacity needs. Keep your roasting operation clean and compliant by significantly reducing flue gas emissions while fitting your specific setup and production goals.

Roasters

When your operation demands throughput, consistency, and reliability, Giesen's Pro series of industrial roasters delivers. Each model is engineered for fully automated, back-to-back roasting with minimal manual intervention. The Giesen industrial roaster lineup seamlessly scales from medium to very large capacity, enabling you to roast at industrial levels while retaining the nuance and control of specialty roasting.

All Giesen industrial roasters share multiple technological advantages:

- Full integration with Giesen Profiler (Industrial edition) for smart roast control and automation
- Automated loading, roasting, cooling, and batch discharge
- Adjustable parameters: drum speed, airflow / underpressure, temperature setpoints
- Rugged Dutch craftsmanship with options for customization and modular additions (destoner, conveyors, emission cleaning)

Each roaster is built with flexibility in mind: whether you scale gradually or leap into high capacity, the control systems, airflow, drum speed, and automation scale without compromise.

Roaster comparison

Model	Batch Size (kg)	Hourly Output	Suitable for
W30A Pro	up to 30	150 kg/h	Mid-scale growth operations
W45A Pro	up to 45	225 kg/h	Wholesale / regional scale
W60A Pro	up to 60	300 kg/h	High throughput specialty
W140A Pro	up to 140	700 kg/h	Industrial / mass roasting



120 kg

per hour

30 kg

per batch

180 kg

per hour

45 kg

per batch

240 kg

per hour

60 kg

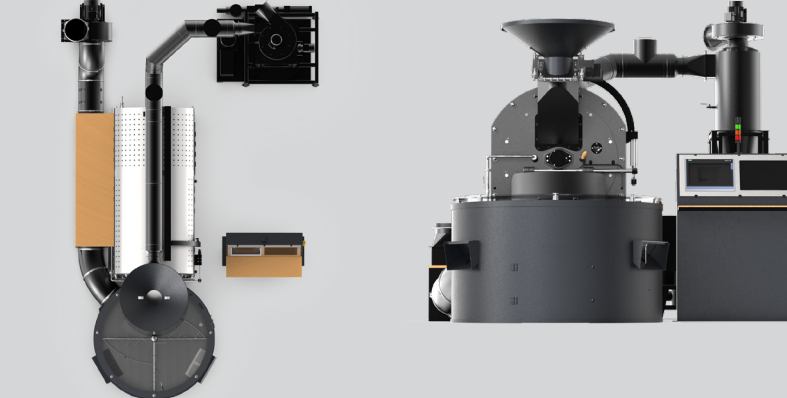
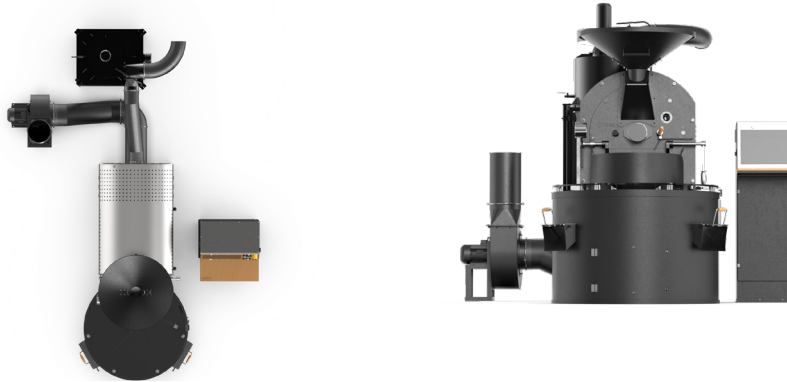
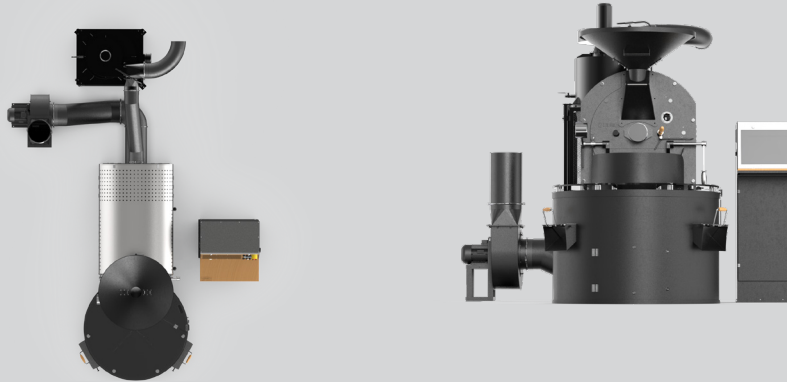
per batch

560 kg

per hour

140 kg

per batch



Emission cleaning

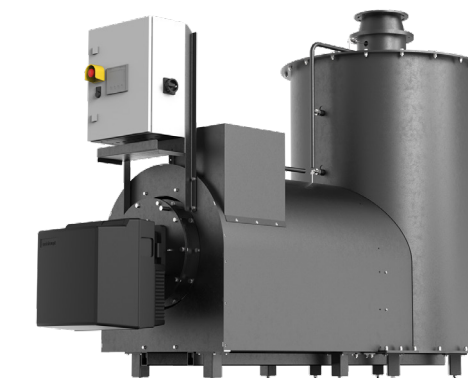
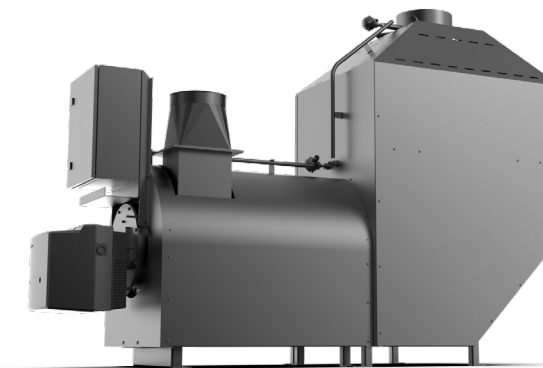
Roasting naturally produces emissions. Managing them effectively is essential for sustainability and legal compliance. Giesen offers two integrated solutions, both systems are installed directly in your exhaust line and matched to your roaster size and local requirements. The result? Clean air, odor reduction, and a future-proof roasting setup.

Catalytic Emission Cleaner

Combines a catalytic converter and afterburner to break down pollutants at lower operating temperatures. Energy efficient and compact perfect for small to mid-scale plants.

Thermal Emission Cleaner

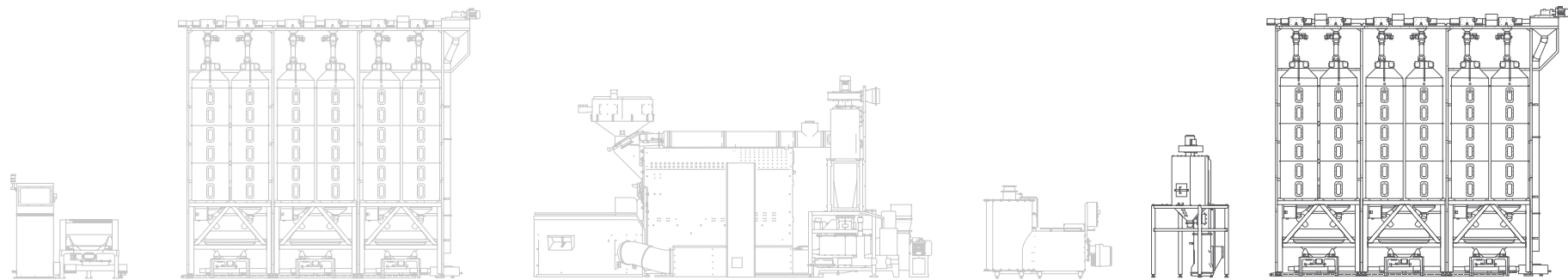
Uses secondary high temperature combustion to fully eliminate smoke, odor, and VOCs. Ideal for high capacity plants with stringent emission regulations.



Azul, Germany

Roasted coffee processing

From roaster to packaging.



- Destoner
- Mixer
- Silo Systems
- Packaging

A smooth post-roast process is essential to maintain quality and keep production moving efficiently. Our integrated transport, destoning, and mixing systems create a clean, controlled flow from roaster to roasted coffee storage. Removing impurities, improving blend consistency, and keeping your production fast, organized, and efficient.

Destoners

Even with careful roasting and sorting, small debris — tiny stones, metal fragments, shards of processing equipment — can end up mixed in with the coffee. These contaminants may not only damage grinders, brewers and other downstream equipment, but also pose safety risks to baristas or customers. By running the beans through a destoner, you catch and remove these unwanted items before they ever reach your brew line. In this way it protects your machinery, ensures product purity, and preserves the reputation of quality that specialty coffee demands.

We offer several destoner models in various capacities so that there is always a destoner available that suits your production figures and needs. All destoners are available as fixed or mobile units.



Pellet press

Transform the byproduct of roasting, coffee chaff, into compact, easy-to-handle pellets with the Pellet Press. This machine is designed to streamline waste management, reduce volume, and keep your facility cleaner and more efficient.

- High throughput: Capable of processing chaff at a high rate
- Compact pellets: The press compacts loose chaff into dense, uniform pellets
- Cleaner facility: Helps minimize dust and mess around your roasting facility
- Seamless integration: Designed to integrate with Giesen roasters and infrastructure
- Robust construction: Built with maintenance-friendly modular parts



Mixer

The mixer helps you to achieve a truly uniform blend of different bean lots. The mixer ensures that different bean batches are blended thoroughly so that every blended batch of coffee is homogeneous. Because you can control rotation speed and blend duration, it offers consistency batch after batch. And with its mobility (on wheels) and safety features, it integrates cleanly and safely into the roasting workflow.

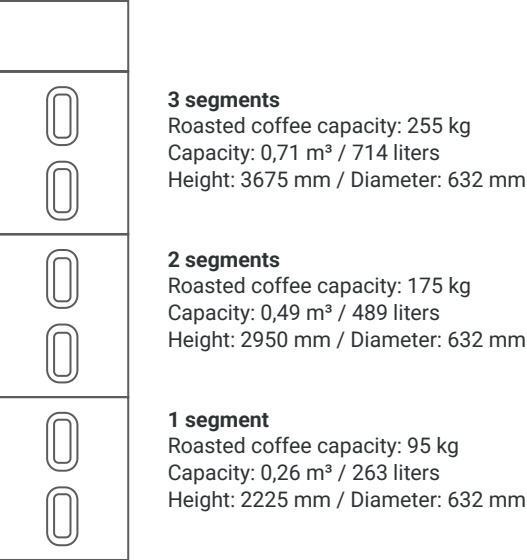
- Capacities for your scale: Available in 150 kg and 300 kg versions
- Precise speed control: Adjustable rotation speed lets you fine-tune blending intensity
- Mobility & flexibility: Fitted with wheels, the mixer can be easily relocated



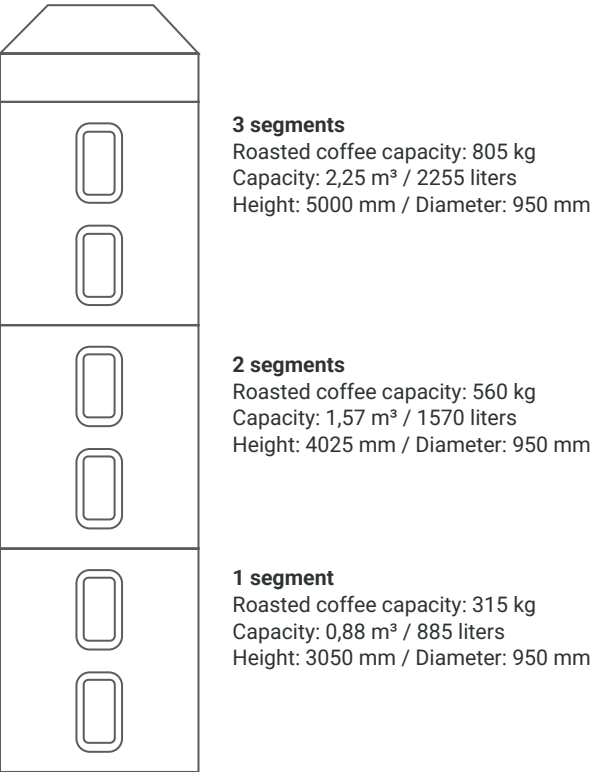
Roasted Coffee silo systems

The perfect size silo system for any roasting plant

Roasted coffee needs a clean, organized place to wait before roasting—without causing clutter, confusion, or production delays. Giesen Silos act as the essential buffer between intake and roasting, giving you full control over your flow and inventory. By integrating seamlessly with your transport system, they ensure that each batch is exactly where it needs to be, when it needs to be—so your production never skips a beat.



Available from 3 silo's per system



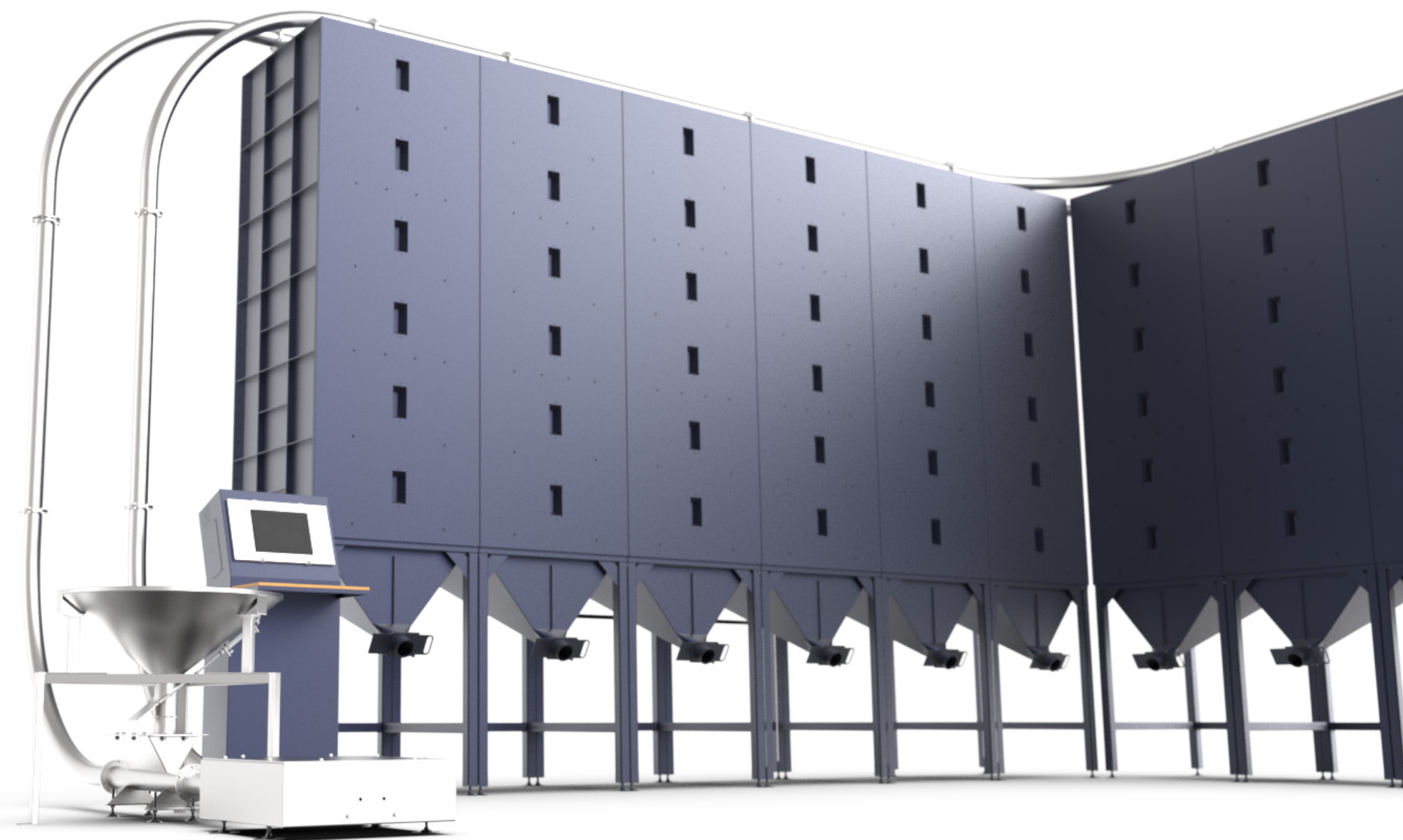
Available from 2 silo's per system



Highly customizable

We offer custom solutions tailored to your roastery needs. Please get in contact with us to discuss the options.

Custom silos



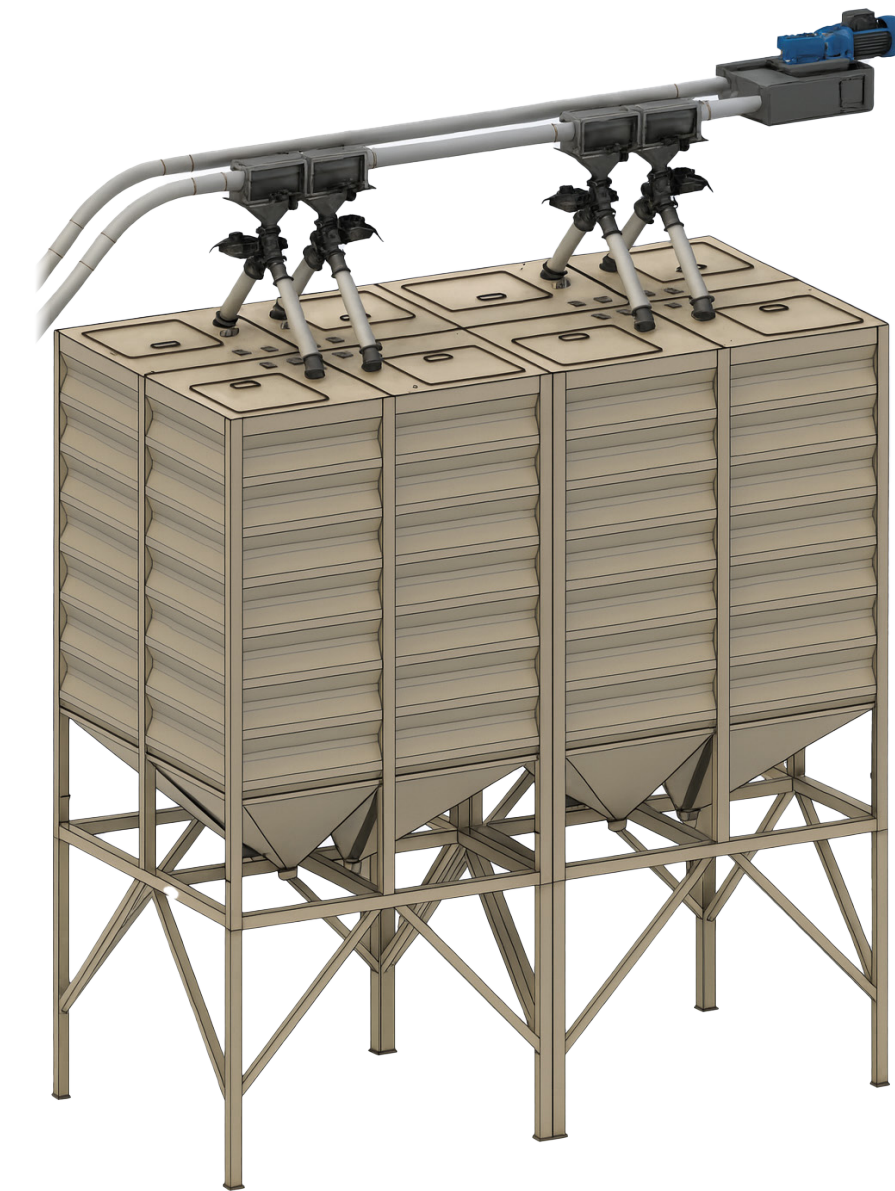
Custom high-capacity roasted coffee silos

Our square steel coffee silos are engineered to store and handle your beans with maximum efficiency, safety, and care. Perfectly matching the standards of the world's finest roasters.

Each silo is built around one clear philosophy: less is more. With an optimized square structure and modular construction, our custom silos deliver more capacity in less space, ensuring a clean, compact, and efficient workflow.

Whether you're managing green coffee or roasted coffee, our customized high-capacity coffee silos integrate seamlessly with your roasting and transport systems. Designed to European engineering standards, we offer reliability you can count on.

- Precision-engineered construction for strength, hygiene, and longevity
- Food-grade finishes to preserve bean quality from storage to roasting
- Modular, pre-assembled design for quick installation and easy maintenance
- Expandable system layout to grow with your production
- Optional access platforms and ladders for safe and convenient operation



Packaging

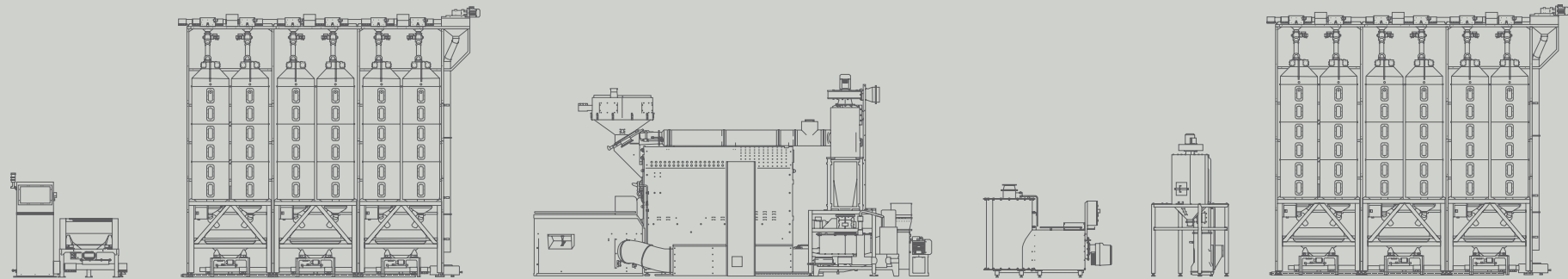
Complete your roasting line with advanced coffee packaging systems that ensure precision, freshness, and efficiency at every stage. From degassing to sealing, our packaging machinery is engineered for speed, reliability, and consistent presentation. Whether you need vertical form-fill-seal systems, premade pouch solutions, or fully automated weighing and labeling lines, we deliver tailored configurations to match your production capacity.

With smart integration options, nitrogen flushing, and flexible bag sizes, our packaging systems guarantee your coffee reaches customers in perfect condition — ready for shelves, export, or private-label fulfillment.

Five Senses Coffee, Australia

Operational excellence

The smart way to run your roastery.



Giesen.Cloud Service and Support

The control room brings every part of your production together in one central location. From intake systems and roasters to destoners, silos, and conveyors, all Giesen equipment can be monitored and controlled seamlessly from a single interface. With complete visibility of the roasting process, operators can track performance, adjust settings, and coordinate production in real time.

This central hub ensures efficiency, reliability, and peace of mind, whether managing one roaster or an entire industrial line. Fully integrated with our Giesen.Cloud software solutions, the Control Room provides advanced data monitoring, automation options, and detailed reporting. It not only simplifies operations but also creates the foundation for smarter, more scalable roasting.

Giesen.Cloud

Your roasting world, always at your fingertips
Giesen.Cloud is your personal online dashboard where all Giesen Roasting Solutions software products come together. Features such as Inventory, Profiles, Roasts, Planning, Live and your roaster overview can all be accessed here.

Access everything, anytime, from any device, no matter where you are.



All in one



Profiler

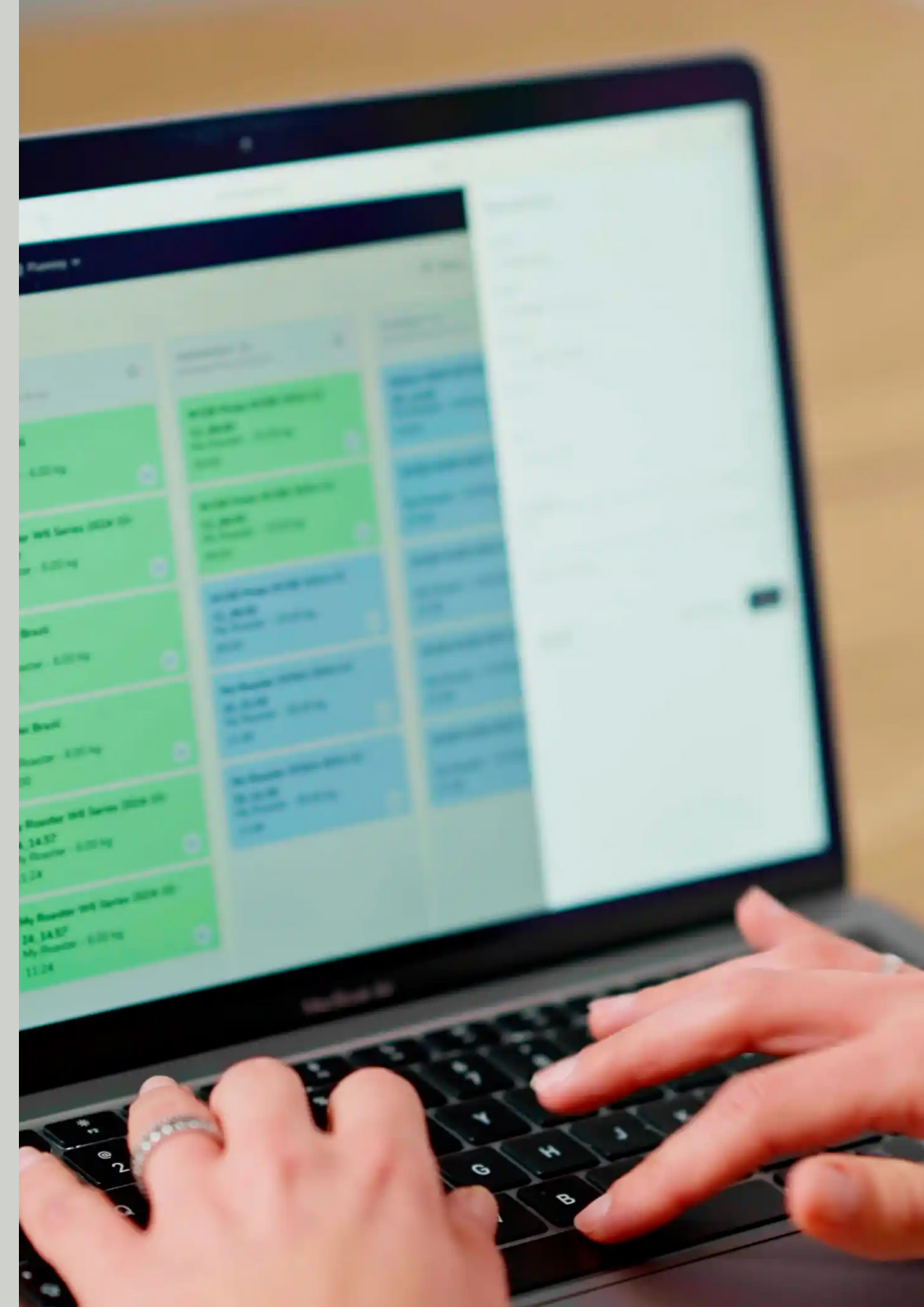
The ultimate roasting assistant

Profiler is now free for everyone. From beginners to pros, it makes roaster control easy. Just click and drag to set your profile. Adjust air temperature, power, and drum speed with ease. In addition to allowing you to control all of your machine's functions, Profiler offers a wide range of options for gaining greater insight into and control over your roasts.

With smart triggers, Profiler automates actions based on time or conditions. For example, drop power to 10% when beans hit a target temperature. Profiler goes even further, letting you control industrial roaster functions like intake and stirrers.



Unlimited possibilities



Roast Planning

Roasted coffee needs a clean, well-organized storage solution to keep production smooth and consistent. Giesen Silos act as the essential buffer between roasting, mixing, and packaging, giving you full control over your flow and inventory. Integrated seamlessly with your transport system, they ensure every batch is stored, managed, and delivered exactly where it needs to be—so your production stays efficient and uninterrupted.



Optimize your workflow

Plan smarter, roast better

With Roast Planning from Giesen, your roast schedule syncs automatically between your planning tool and your roaster. Plan your roasts from anywhere using Giesen.Cloud and they'll appear in Profiler, ready to go. As you complete each roast, it updates instantly in your planning tool, keeping your team aligned and your workflow smooth.

Create overview in your roastery

To maintain an overview of your roasting operations, each scheduled roast is linked to a profile. This allows the roaster operator to see which coffee needs to be loaded, and the profile will run automatically.

Profiles

Roasts

Planning

Live

Roasters

chaffe

Sample Ethiopian Yirgacheffe

Available

Current Stock

INV-00001 · YRG-2023-001

Initial Quantity

10.00 kg

Low Stock Alert

5.00 kg

Coffee Origin

Country of Origin

Ethiopia

Region/Farm

Yirgacheffe

Harvest Year

2023

Supplier

Abbott, Stiedemann and Rempel

Best Before Date

18-12-2026

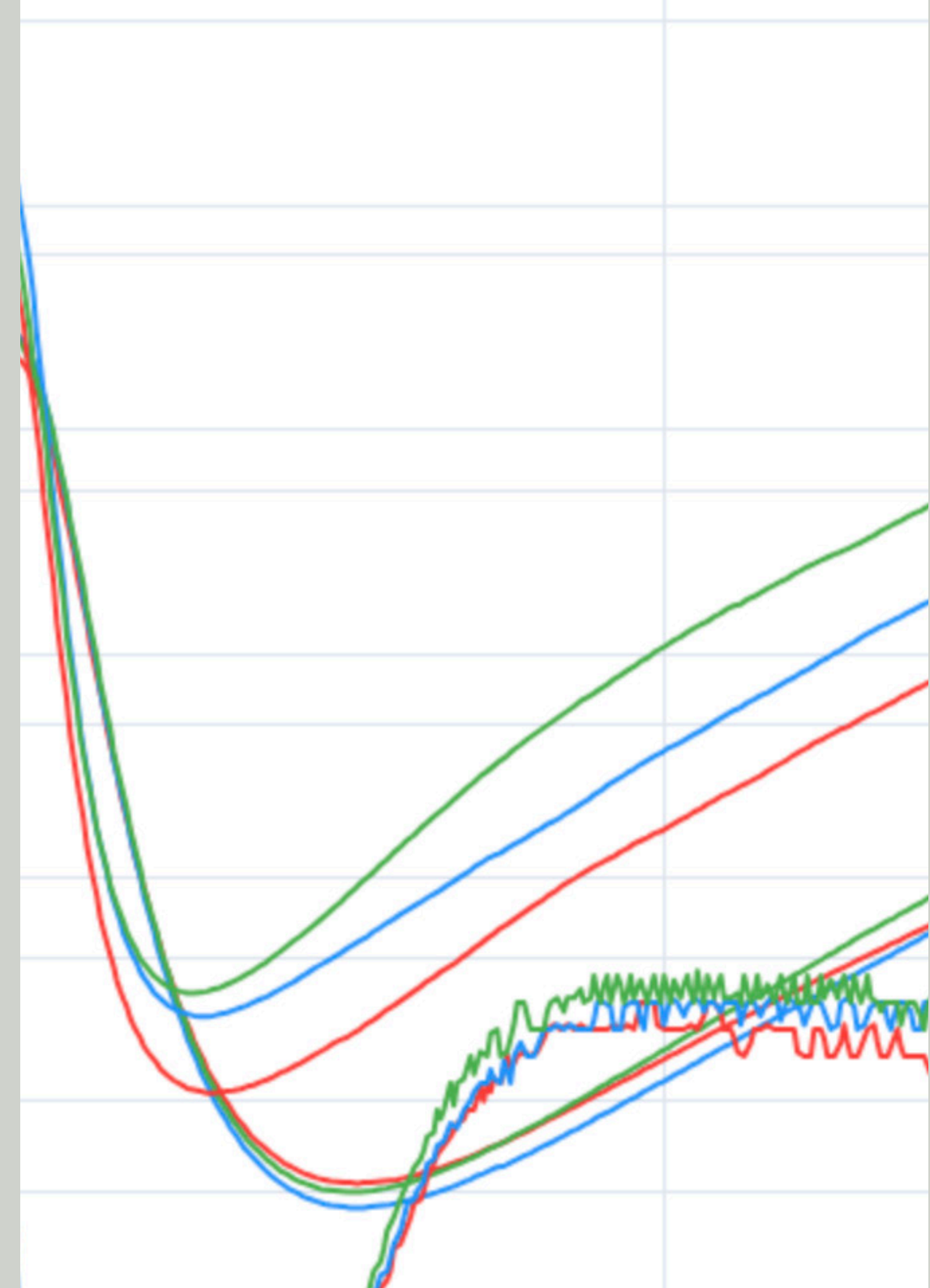
Inventory

Manage all of your products: incoming goods, goods in transit, stored roasted products, etc.

Inventory keeps track of your usage and automatically adjusts all your stocks accordingly. The coffee you are going to roast is automatically deducted from your available green coffee.



Plan it out
completely



Roast Compare

With Roast Compare, you can line up roasts side by side, analyze every curve, and fine-tune your process like never before. Included with specialty and industrial subscriptions.



Analyze
and **apply**

Roast Logs

Clear

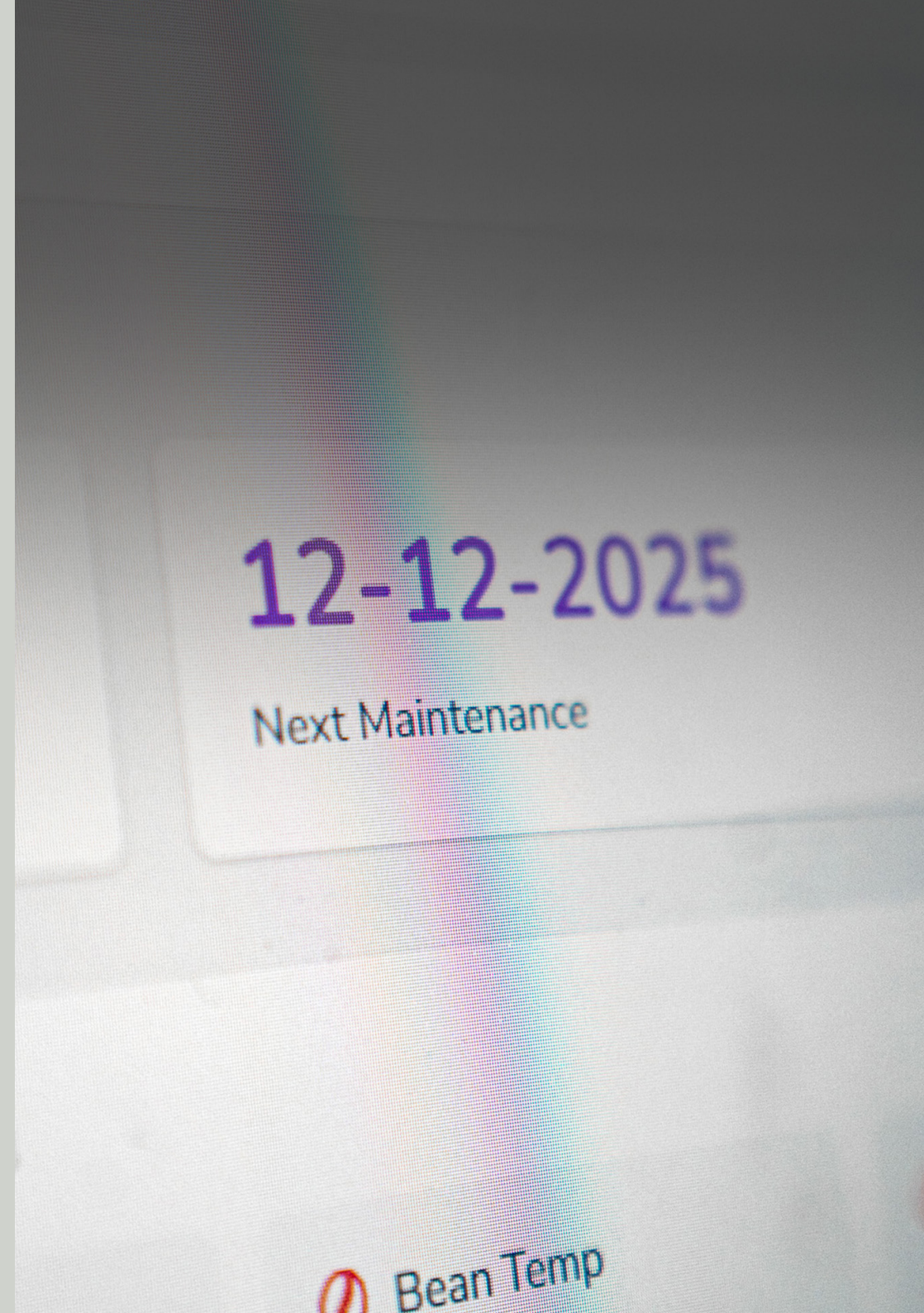
☐	Name ↑↓	Duration ↑↓	Bean Type
☐	Roast_2025-05-	10:29	Cashew
☐	Roast_2025-05-	10:30	Cashew
☐	Cashew 2.0 Roa	10:32	Cashew
☐	Roast_2025-04-	17:25	
☐	Roast_2025-04-	16:21	
☐	Roast_2025-03-	12:18	
☐	Roast_2025-03-	16:10	
☐	Roast_2025-02-	15:49	
☐	Roast_2025-02-	11:18	
☐	Roast_2025-02-	11:17	
☐	Roast_2025-02-	10:38	
☐	Roast_2025-02-	11:47	
☐	Roast_2025-02-	16:39	
☐	Roast_2025-02-	15:59	

Profile Management

All roast profiles are automatically stored in the cloud and synced with Giesen.Cloud, so you can access them wherever you go. No paperwork. No limits. Your data when you need it. Included with specialty and industrial subscriptions.



Every profile
in one place



Maintenance

Proper maintenance of your roaster is extremely important. To ensure that you never miss necessary maintenance, Giesen.Cloud is equipped with maintenance reminders. You will receive notifications of the required maintenance along with instructions on how to perform it. You concentrate on the coffee, and the software does the rest.

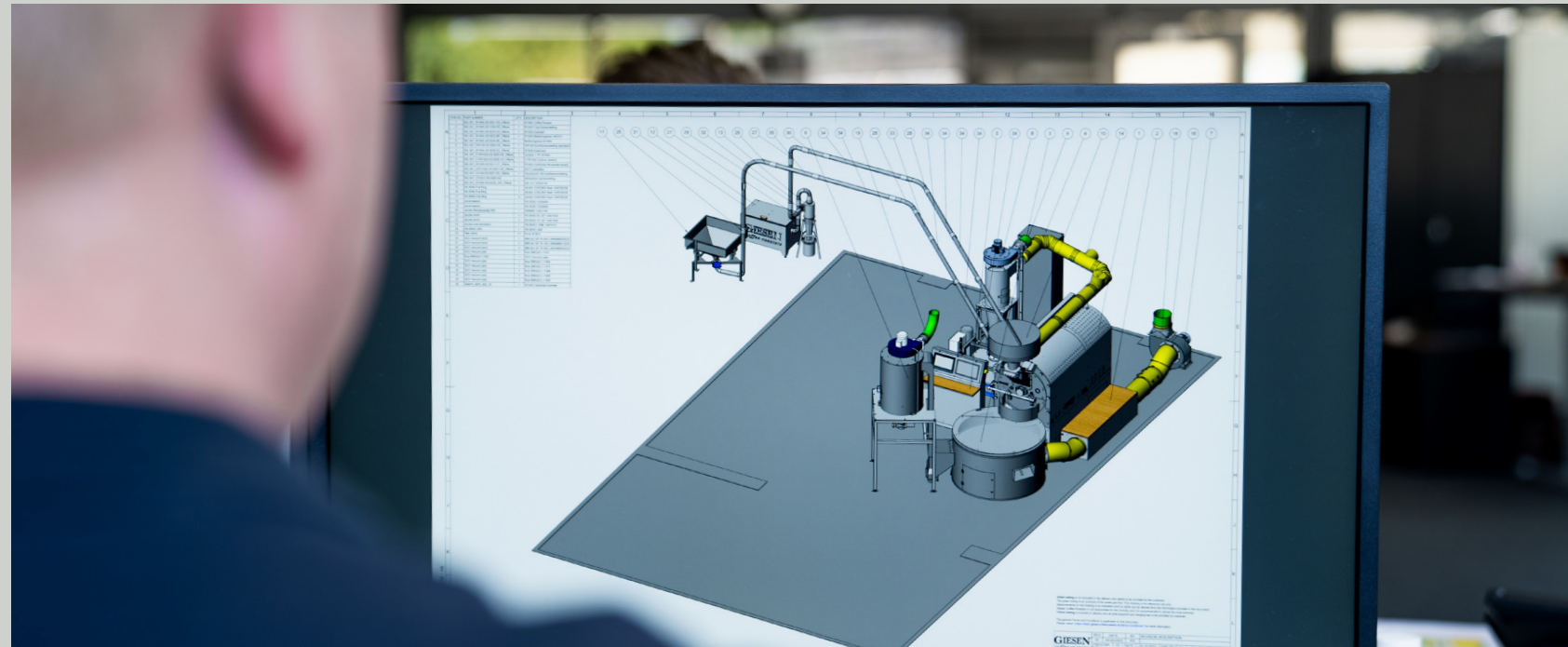


Always
on time

Project planning

Your ideas into concrete plans.

Every successful roastery starts with a clear plan. At Giesen, we turn your ideas into a fully functioning coffee production facility, tailored to your space, workflow, and ambitions. Our project planning service guides you through every stage of the process, from the first concept to the final installation. Whether you're building a new roastery or expanding your existing setup, our experts ensure every detail fits perfectly — technically, logistically, and aesthetically.



Service and support

From first talk to full operation.

With Giesen, you get more than roasting machinery. You get dedicated support to keep your roasting running smoothly, with practical, efficient help and clear communication. If there's a technical or mechanical issue with your Giesen roaster or equipment, our support team is ready to assist. Most problems can be resolved remotely, with step-by-step guidance at no additional cost. Our team is multilingual, so we can assist you in your preferred language wherever you are.

For in-depth maintenance, repairs, or parts replacement, our worldwide service network is available for scheduled visits, either on-site or at our workshop. Regular servicing helps extend the lifespan of your equipment and ensures consistent performance.





www.giesen.com

info@giesen.com

+31 315 681 377