

Intelligent engineering and perfect package appearance.

Coffee packaging
solutions for your
success.



Welcome to Syntegon.

Syntegon Technology is your reliable partner for process and packaging technology in the global food and pharmaceutical industries. Whether you are an aspiring start-up or a global market leader, we offer intelligent and sustainable solutions for everyone. Individual machines, systems or services – as a full-service provider, we take responsibility right up to fully integrated end-to-end solutions.

Fields of application in the food industry are primary and secondary packaging of dry, liquid and frozen food as well as process technology for the production of confectionery. In the pharmaceutical industry, we offer solutions for the production, processing, filling, inspection and packaging of liquid and solid active ingredients in all common packaging materials. We are at your side from project planning, development and implementation to comprehensive digitization, qualification and validation services. In addition, you always have access to our worldwide network of service specialists who support you throughout the entire machine life cycle.



OUR EXPERTISE, YOUR BENEFITS

- Sustainable packaging solutions that protect your product's aroma
- Efficient technology for your economic success
- Reliable expertise and digital solutions for your production process
- High-quality, eye-catching packagings for your products



We know coffee. We know packaging. We are your trusted partner for coffee packaging.

Packaging coffee is a complex, elaborate process. With us at your side, you are free to focus on your core competence – producing delicious coffee. Count on us to provide packaging solutions that assure the premium quality of your product and future-proof your production processes. With more than 100 years' engineering expertise, we deliver the protection your product deserves.

We are your perfect partner for all questions concerning your products and their optimal packaging. Welcome to the world of coffee and its optimum packaging.

Your Solution Partner.

Count on us.



Whatever your requirements may be, we have the right packaging solution for you. Our turnkey solutions protect your coffee products through every step of the packaging process, while affording you the flexibility that comes with a range of packaging choices. From complete line solutions to fully integrated systems, from dosing to case packaging – our portfolio offers efficient primary and secondary packaging lines, as well as quality control equipment.

OUR SOLUTIONS: FLEXIBILITY AND EFFICIENCY FOR YOUR PRODUCTION

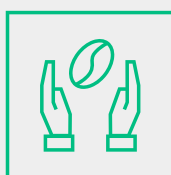
- ❑ Complete packaging line from one source
- ❑ Flexible, efficient, and connected production
- ❑ Seamless interfaces
- ❑ Faster time to market: work with us, enjoy the benefits of a single-source supplier, and set up your new production line that much faster

We are your go-to partner for packaging solutions.



Tailored to your needs.

We are fully aware of the process steps that take coffee from the plant into the cup. Securing your high quality is the primary goal of our packages – no matter which packaging style you prefer. You will find suitable solutions for producing batches of every size and magnitude within our comprehensive product program. Be it mandrel wheel based, vertical based or VFFS machines: our integrated systems cover our complete package makers and baggers portfolio.



Perfect taste: our aroma protection solutions.

Proven technologies provide the best protection for your coffee's high quality and outstanding aroma. Evacuation and inert gas flushing yield high product quality due to the lowest residual oxygen content values. With our patented aroma protection valves, coffee can be packaged freshly roasted and without interim storage.



Things change – our retrofit kits are the answer to changing market demands.

We know production requirements can change quickly. With our retrofit options, you can flexibly adapt your packaging processes to evolving market trends.



Is sustainability essential to your production? The same goes for us.

We constantly invest in research to deliver more sustainable packaging solutions. Our machines can process recyclable materials and degassing valves. You can add these retrofit options to your current packaging machines. This way, you will be ready for whatever the future brings.



We are with you – our laboratory and test center for coffee roasters.

Are you planning your next packaging project? Are you looking to optimize existing lines? Or do you want to make your production more sustainable? Our in-house lab offers comprehensive testing and consultation services to find the perfect packaging solution for your product:

- ▣ Packaging material analysis
- ▣ Machinability studies for specific use cases
- ▣ Consulting
- ▣ Engineering support

Perfect taste in outstanding packaging.

No matter how your coffee reaches the consumer. We are ready with a customized packaging solution. In addition, you may choose from a wide variety of consumer-friendly, quality-ensuring reclosures and packing styles. In addition to highly ingenious solutions such as Easy-Open-Peel-seam, Tin-Tie – almost everything is possible. But as different as the individual shapes and packaging solutions may be all of them have one particular target in addition to their very special task: attractively presenting your coffee to the consumer.



Designed to stand out

Whatever the packaging style, be it soft bags, vacuum bricks, full-corner sealed, or with a spout closure, we deliver solutions to optimally package your product while catering to growing sustainability demands. Our machines process all relevant recyclable materials into high-quality packages. We support you in creating unique packages that stand out on the shelf.

**Aroma:
the crowning
glory of
a perfectly
roasted
coffee.**

Flexibility, efficiency, aroma protection.

We understand the demanding requirements for packaging coffee. Our packaging solutions not only achieve maximum output and filling accuracy, but are also very versatile. Thanks to fast format changes and full-corner sealing technology, our machines cover a variety of attractive bag styles and closing features – including vacuum packaging and degassing valves. Our machines also process recyclable packaging materials to meet the market's growing sustainability requirements.

Our machines package your product in any packaging style:

Soft bags



Corner sealed
block bottom bag
with gable top



Block Bottom
bag with gable
top



Block bottom
bag with gable
top and spout



Block bottom
bag with
adhesive strip



Block bottom
bag flat top with
label



Block bottom bag
with gable top –
half moon shape



Block bottom bag
with gable top and
tin tie



Pillow bag



Doyzip bag

Brick bag



Vacuum
brick bag

A large industrial machine, likely a CNC lathe or mill, with a white panel featuring the SYNTEGON logo in green. The machine's complex structure of metal beams and components is visible in the background.

SYNTEGON

**We have
the right
technology
for you.**

Our machines match your production needs.



PMX

Modular packaging platform for maximum flexibility to match changing production needs. A broad variety of bag styles and top closures for ground coffee and whole beans at a speed up to 100/min.



Packaging Styles



Valve applicator ✓	Vacuum technology ✗
Filling weight 50–1200 g	Bags per minute up to 100

PME

Intermittent motion technology – characterized by a particularly efficient production of high-quality bags with various top closures alternatives for vacuum- and soft-bags. A convenient spout solution available with standalone version.



Packaging Styles



Valve applicator ✓	Vacuum technology ✓
Filling weight 80–1200 g	Bags per minute up to 55



PKS

The vacuum packaging line for a broad variety of vacuum bags sizes with excellent appearance in shape and accuracy. Filling weights up to 1 kg.



Packaging Styles



Valve applicator



Vacuum technology



Filling weight

40–1000 g

Bags per minute

up to 65

SVE

Continuous motion Vertical Form-Fill-Seal technology combined with zipper application and more than 5 bag types possible on one machine. For smooth production and high quality bags.



Packaging Styles



Valve applicator



Vacuum technology



Filling weight

50–1200 g

Bags per minute

up to 180

PKD

High-performance mandrel wheel packaging technology with robust design and particularly reliable production. Highly efficient dosing system with top up filling, integrated vacuum wheel and robust design allow outstanding performance and excellent packaging design over many years.



Packaging Styles



Valve applicator



Vacuum technology



Filling weight

250–500 g

Bags per minute

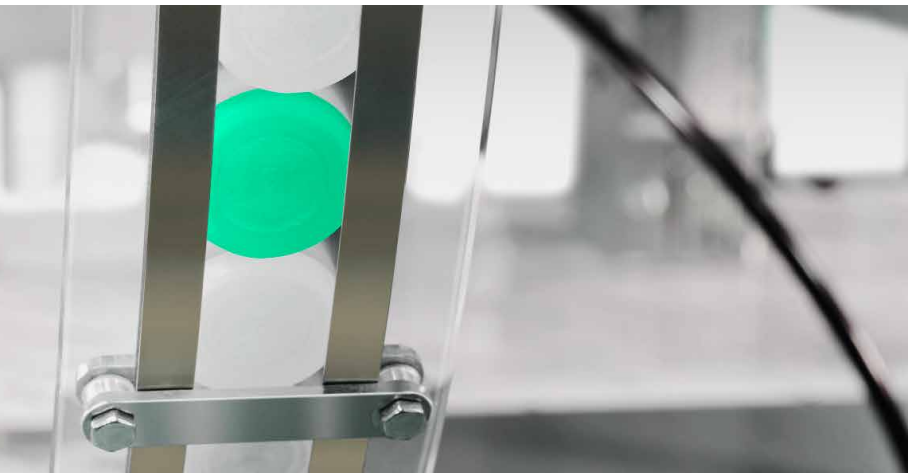
up to 130

If the aroma vanishes, even the best coffee only adds up to a pile of beans.

With our patented aroma protection valves, coffee can be packaged freshly roasted and without interim storage. The valves allow the reliable and positive escape of roasting gasses from gastight packages. Our valve applicators guarantee process-secure application of the aroma protection valves.

CVA Internal

CVA valve applicator reliably seals the VIS valve to the inside of the packaging. Thanks to the patented valve design and coordinated applicator technology, the CVA VIS offers high process reliability.



Valves attachment	Output per minute	Sustainable materials
Ultrasonic sealing	up to 90	✓

CVA External

The CVA valve applicator reliably applies the valve to the outside of the packaging material. It is suitable for use with all types of packaging material and can be integrated into any packaging machine, due to an own control unit.



Valves attachment	Output per minute	Sustainable materials
Self-adhesive	up to 120	✓

Also when it comes to dosing and weighing: Syntegon has a lot to offer.

The actual packaging process is preceded by the gentle and precise dosing of the coffee. No matter whether you wish to find the right solution for freshly roasted beans or ground coffee – our program provides it all.

FVS

This high-capacity auger filler for ground coffee and whole coffee beans can be equipped with the product protection system “neutrafill”. The two-sectioned agitator funnel is easy to clean and can be quickly equipped with different dosing augers. Its solid design makes handling easy and quick format changes possible.



Volumetric



Ground coffee



Whole beans



Throughput

180 l/min

Output

up to
150 fillings/min

KWE/KWI

Our checkweigher excels by its particularly uncomplicated operation. Faulty packs are reliably rejected, and congestion detected as it forms. And of course, a line can be interlinked with upstream and downstream machinery. Due to the tendency control system in the Syntegon auger fillers very high filling accuracy rates are achieved.



Checkweighing



Ground coffee



Whole beans



Weighing capacity
10 – 6000 g

Belt speed

1,80 m/s

FIW

This netweigher for whole beans is impressive at first sight with its low breakage rate for whole beans, with its inert gas-flushing “neutrafill” for ideal product protection, with its size change at the flick of a switch, and, last but not least, with its compact design.



Gravimetric



Ground coffee



Whole beans



max. Volume
max. weighing
pan volume 3,3 l

Output
up to
33 fillings/min

Protect what matters most: your coffee and our environment.

With our proven engineering expertise, we are able to continuously refine our technologies and offer recyclable, high-quality packaging solutions for your products. Our machines are able to process ecofriendly mono-materials and integrate fully recyclable valves. Not only that, we can also help you make your production ecofriendlier and less resource-intensive.

SUSTAINABLE PACKAGING FOR COFFEE? YES, YOU CAN!

Whether you are buying a new machine or retrofitting your current line, we can make your packaging sustainable.

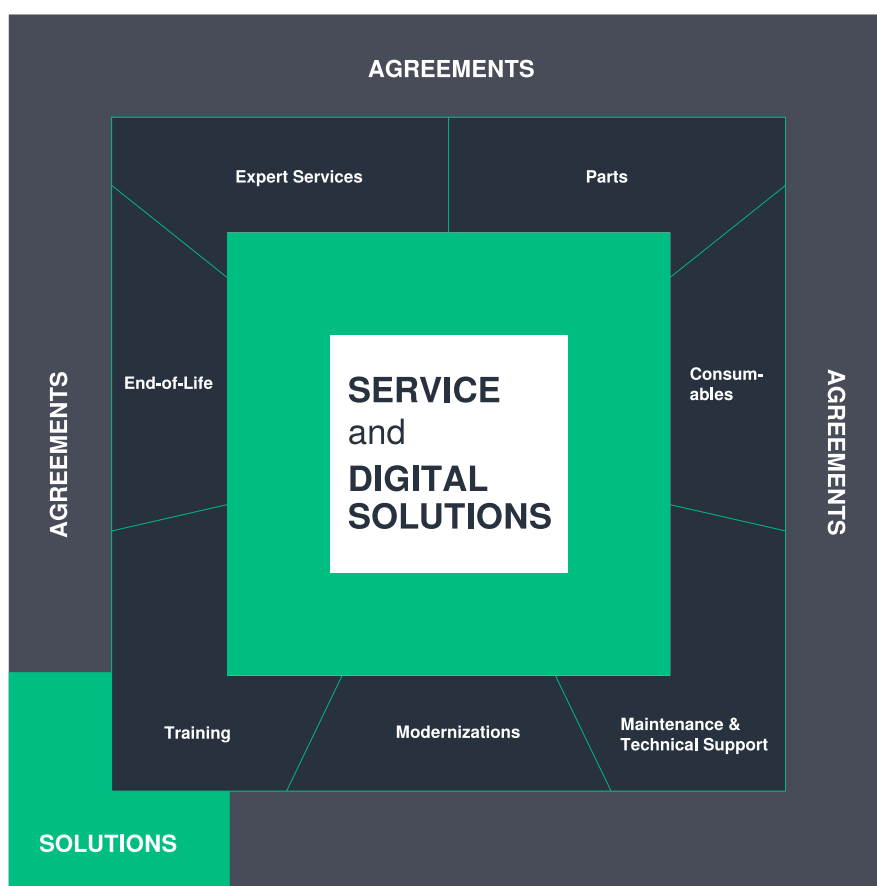
- Sustainable aroma protection with all relevant recyclable materials and mono-material valves
- Tested in our labs and in daily use by customers around the globe: excellent material processability for reliable production
- Available as a retrofit for existing Syntegon and third-party equipment



Innovative services tailored to your needs.

A comprehensive service portfolio lays the foundation for smooth production processes. We at Syntegon support you throughout the entire machine life cycle, from spare parts management to digital line optimization. Service agreements are a key element of our portfolio structure. We minimize production risks and we maximize the efficiency of your equipment by working with you as equal partners. Together, we tailor our solutions to your individual needs. You benefit from fixed conditions and guaranteed services.

Our global network of experts supports you with maintenance planning, technical support, and modernizations, as well as operator training and end of life services. With our digital solutions, you gain control over your production processes and create transparency on product and machine data anytime, anywhere. Whether it is switching to sustainable materials or upgrading to automated technologies, together with us you will take the next steps towards the factory of the future.



For detailed information
please visit our homepage:
www.syntegon.com/services

Contact us.



www.syntegon.com/coffee-packaging-solutions

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