



Sustainable Packaging by Syntegon.

We want our eco-friendly solutions to cover every aspect of packaging for a more sustainable future. Syntegon will be providing machine support technologies to process **plastic mono-polyolefine materials** including PE/PP compounds. We strive to **replace plastic by alternative materials** where appropriate, focusing on **paper** being recyclable, compostable and made of renewable resources. Syntegon follow trends in **bio-based** and **bio-degradable** materials and apply regional and product specific solutions. We will reduce material usage by **down-gauging flexibles** to thinner materials and optimizing packaging sizes, and optimizing our machines to **reduce material waste** as well as **saving energy** and **water**.

YOUR BENEFITS

- ▣ Environmentally responsible manufacturing
- ▣ Easy and efficient recycling
- ▣ Reduced resource consumption
- ▣ No machine downtime
- ▣ Customer product testing offered
- ▣ Material sample delivery

OUR SOLUTIONS:

- ▣ Replace plastic packaging with paper-based materials where possible
- ▣ Refine complex laminates structures to maximize recyclability and minimize environmental burden
- ▣ Reduce waste in production



Easy & efficient recycling



Product testing offered



Material sample delivery



4 STEPS TO A MORE SUSTAINABLE FUTURE:

SYSTEM TESTING & CONSULTING

We are working everyday to develop processing of sustainable package materials. We provide solutions for broad range of installed base. We offer consulting for materials, testing of processability on our test labs as well as customer machines, optimization until customers receive runability.

CUSTOMER MATERIAL TESTING

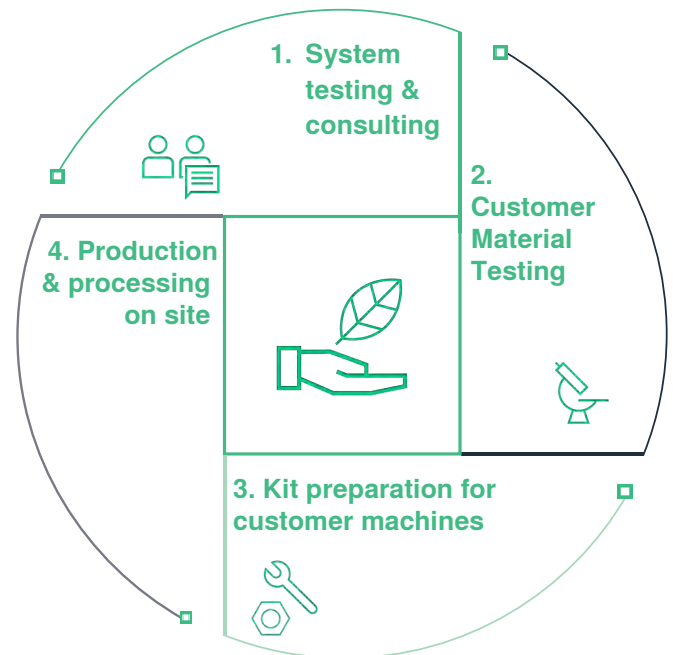
Syntegon conducts tests with various products to meet your targets. Testing results are presented as a report and samples will be available. You will receive detailed test reports, qualified technical proposals, and packaging samples.

KIT PREPARATION FOR CUSTOMER MACHINES

Syntegon will prepare your upgrade kit consisting of new sealing jaws and a new forming shoulder for your machine.

PRODUCTION AND PROCESSING ON SITE

We offer on site service for smooth transition including machine commissioning, processing, and production.



OUR PORTFOLIO | PACK STYLES

- Horizontal Packaging (flow wraps)
- Vertical packaging (bags & pouches)
- Liquid and viscous filling (cups & bottles)
- Secondary packaging (cartons & cases)



Paper
(Recyclable)



Mono-
polyolefine
(Recyclable)



Bio-based
plastic
(Reduce)

HORIZONTAL PACKAGING (FLOW WRAPS)

Product	Material	Description	Benefits	Machine Types	Limitation
AHS system N	Mono-plastics	Paper wrapped bars	No speed limitations	HCM, HCS, HMxD	N/A
Paper-ON-form N, R	Paper	Mono-plastic sealing tech.	High speed, process stability	HSM, HCM, HRM	N/A
Consultation service	Mono-plastics, paper	360° solutions workshop	Sustainable solutions, tailor-made recommendations	All	N/A
Testing service	Mono-plastics, paper	A UYfjU UbUngjg	HYghfYdcftgž technical proposal, samples	All	N/A



VERTICAL PACKAGING (BAGS & POUCHES)

Product	Material	Description	Benefits	Machine Types	Limitation
PHS 2.0 Sealing Upgrade N	Mono-plastics	Paper bagged products	80% fill ratio	SVE, SVC	80 bags/min
ZAP & heat seal N, (R)	Paper	Ultra thin mono-plastic seal Mono-plastic for Doy style bags	25% speed inc., 25% less clamp film, no free skirt Reduced cost, easy opening, high speed	SVE	N/A
Consultation service	Mono-plastics, paper	360° solutions workshop	Sustainable solutions, tailor-made recommendations	All	N/A
Testing service	Mono-plastics, paper	A UYfjU UbUngjg	HYghfYdcftgž technical proposal, samples	All	N/A



LIQUID FOOD & VISCOUS FILLING (CUPS & BOTTLES)

Product	Material	Description	Benefits	Machine Types	Limitation
All-PP cup N, (R)	Mono-plastics	Processing, handling, filling cups	Protection of deformation Decontaminate scores, tight seals	FCL	N/A
Paper Cup (w. plastic lid) N, (R)	Paper	Processing, handling, filling cups	Protection of deformation Decontaminate scores, tight seals	FCL	N/A
Consultation service	Mono-plastics, paper	360° solutions workshop	Sustainable solutions, tailor-made recommendations	All	N/A
Testing service	Mono-plastics, paper	A UYfjU UbUngjg	HYghfYdcftgž technical proposals, samples	All	N/A



SECONDARY PACKAGING (CARTONS & CASES)

Product	Material	Description	Benefits	Machine Types	Limitation
Kliklok carton tray N	Paper	Cardboard for plastic tray insert	Little to no glue, reduce use of material, replace plastic	Kliklok	N/A
Consultation service	Mono-plastics, paper	360° solutions workshop	Sustainable solutions, tailor-made recommendations	All	N/A



OTHERS

Product	Material	Description	Benefits	Machine Types	Limitation
Paper Pod N	Paper		Replace plastic	TPU	40 strokes/min
Consultation service	Mono-plastics, paper	360° solutions workshop	Sustainable solutions, tailor-made recommendations	All	N/A
Testing service	Mono-plastics, paper	A UYfjU UbUngjg	HYghfYdcftgž technical proposals, samples	All	N/A



We are pleased to implement this upgrade at your site for you. Please contact us for a personal consultation. Your local Syntegon partner will answer any of your questions about this upgrade and our broad offer of additional after-sales services.

NEED A QUOTE?

Please note that all sustainable packaging and any other optional part combinations are individually designed for your machine type. Due to this, please **provide the type and serial number** of your machine when requesting a quote for this product.



Visit our US website:
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