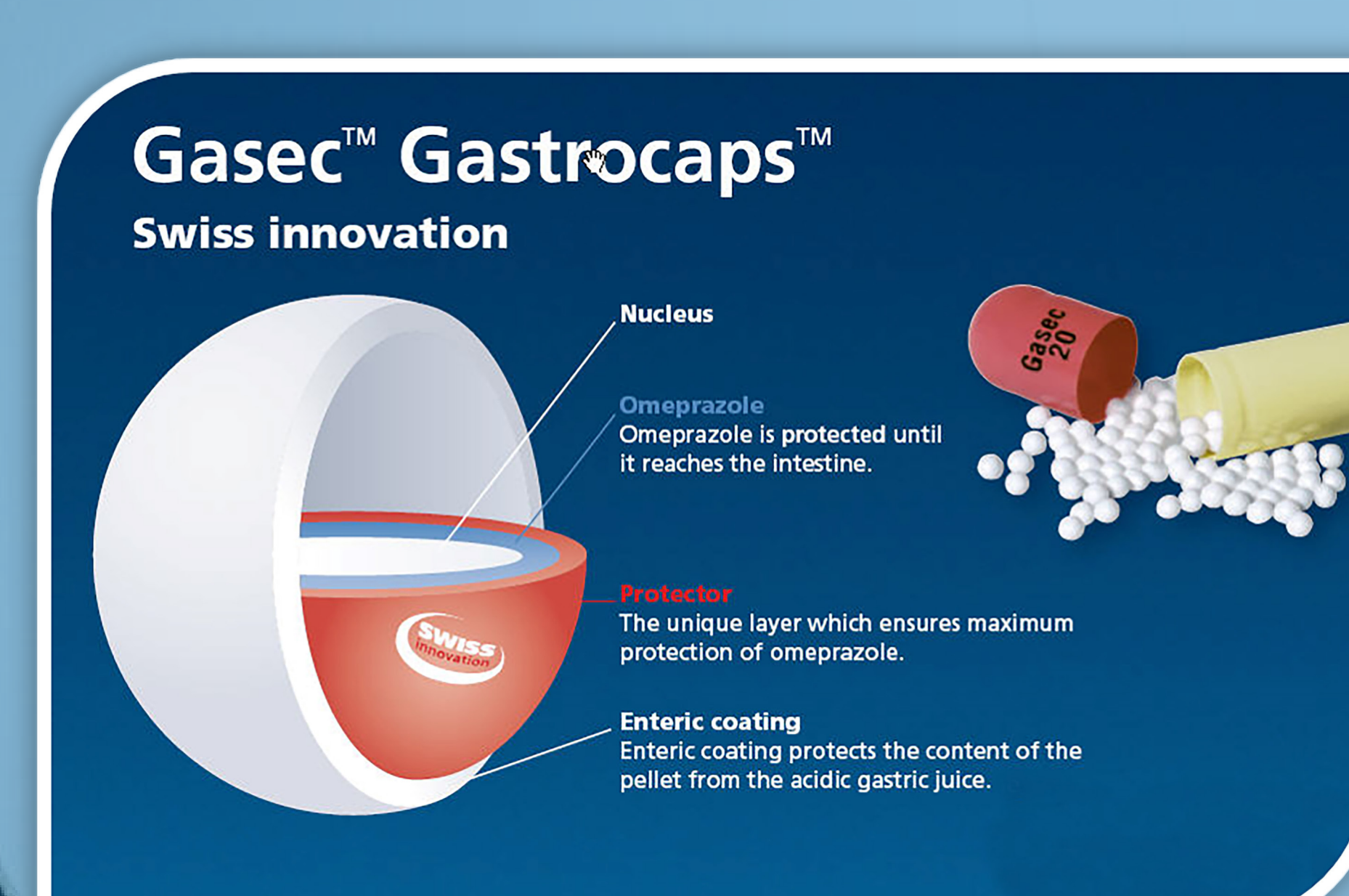


# Acino CMO specific technology capabilities

## GRANULATION / PELLETIZATION

One of Acino's greatest **success stories** is its pellets technology implemented in Gasec™ Gastrocaps™. This **special type of granulate** is composed of small spherical particles that are filled into capsules or pressed into tablets and thus, form many sub-units.

After administration, the pellets are distributed throughout the entire gastrointestinal tract and the API is absorbed more evenly. By using multi-layering, product properties such as stability and dissolution can be optimized.



## FINISHED DOSAGE FORMS

Acino is proud of its leading track-record and expertise in **bulk manufacturing of oral solid dosage forms** and loves being challenged: Hard-to-make generics, modified-release and complex formulations, controlled substances or difficult processes are our daily business.

### Special technology:

Minitablets (2.0 – 3.0 mm) in capsules. As the amount and types of minitables are filled by counting, our customers can develop products with patient specific dosage strengths.



## PRIMARY PACKAGING

Acino's packaging sites in Switzerland and Estonia offer a range of primary packaging solutions for our customer products. In our packaging site in Switzerland, Acino recently installed a fully-automated and integrated highspeed packaging line, which allows us to pack **500 blister/minute.**

With this speed, Acino has processed ca. **5'250 km** of aluminum foil in 2018, which is approximately the **distance from Zurich to Moscow and back.**



## SECONDARY PACKAGING

Counterfeiting is an enormous risk to the pharmaceutical industry and to patients. When the authorities imposed a requirement to be able to guarantee their authenticity, our teams in Switzerland and Estonia jumped to action to deliver serialized products. Working with a mix of technologies they created an innovative IT set up and the processes that will support it to print a 2D matrix code on each pack that can be easily scanned by patients or Healthcare Providers alike to check its authenticity. Our scalable **packaging sites** in Switzerland and Estonia are **high-speed and serialization** ready.



[www.acino.swiss](http://www.acino.swiss)



**acino**  
Contract Manufacturing