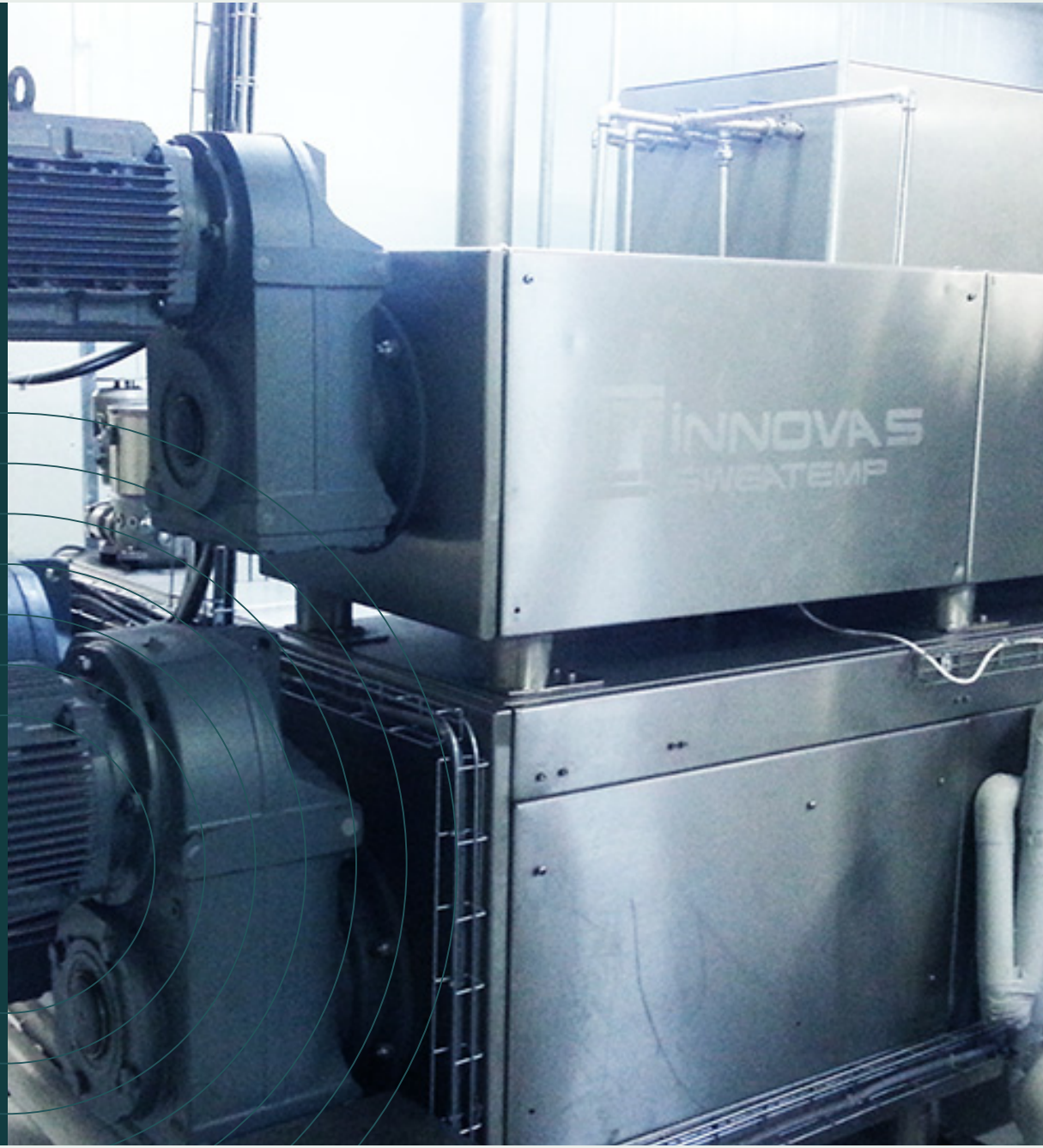
Heat transfer begins at the surface.

Vertical. Horizontal. Laboratory.
Combinator.

Process solutions
for viscous products



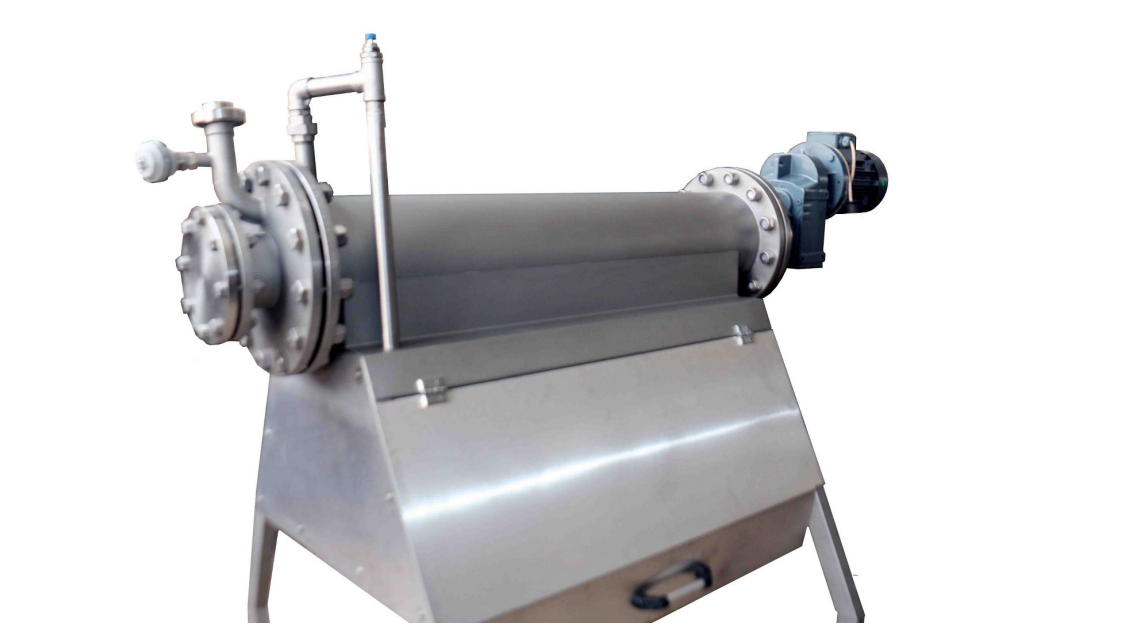


A vertical process layout.

Scraped-surface heat transfer for heating and cooling viscous, sticky or particle-containing products. A rotor and scraper blades move the product inside the cylinder.

Product flow	Bottom inlet with upward flow
Process	Heating, cooling and crystallisation
Contact surface	316L stainless steel

Continuous scraping on a horizontal axis.



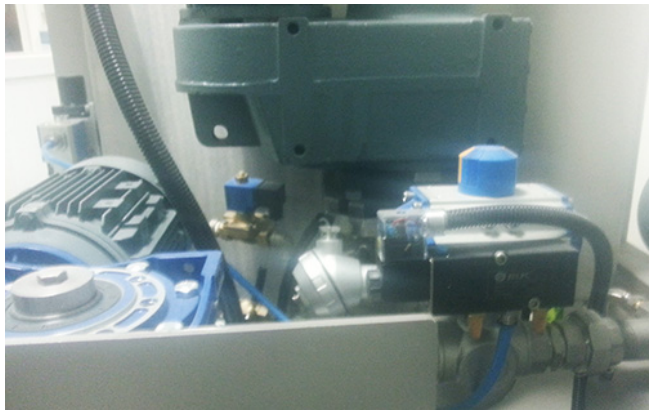
Between product and surface

The rotor and blades continuously move the product layer on the heat transfer surface. A horizontal layout is evaluated alongside product characteristics, plant connections and service access.

Applications: chocolate, sauces, fruit purées and other viscous product processes.

A place for process development.







Laboratory arrangement

Brings scraped-surface heat transfer into product development work. The operating arrangement is selected around the product, recipe and target process conditions. Model dimensions and operating limits are defined during project development.

Process management tube by tube.





Modular arrangement

Heating and cooling settings are managed separately for the tubes. Different tube arrangements and optional scraper types shape the process configuration.

Product first. Configuration follows.

Solution	Process approach
Vertical	Vertical product flow and scraped-surface heat transfer
Horizontal	Horizontal process layout
Laboratory	Product and process development arrangement
Combinator	Heating and cooling settings by tube

Selection inputs: viscosity, particle characteristics, target temperatures, flow rate and plant layout.

Let’s define your project.

info@innovas.com.tr
+90 264 346 04 74
innovas.com.tr

Hanlı Sakarya Mah. Satso Cad. No: 10
Arifiye / Sakarya / TÜRKİYE