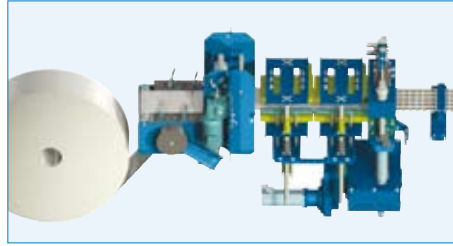


FFS MACHINE

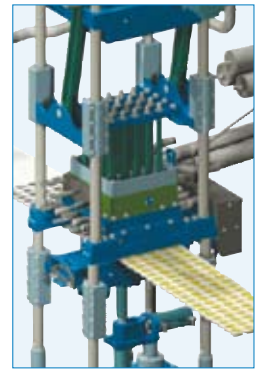
THL 24/28 for single-portion mini-cups



- THL 24/28



Cup material supply, pre-heating, forming



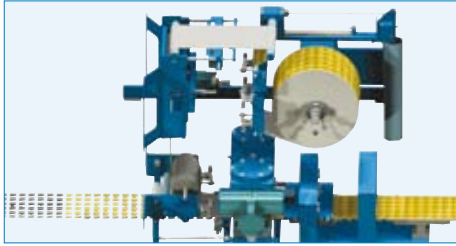
Filling

FFS MACHINE THL 24/28 FOR MINI-PORTIONS

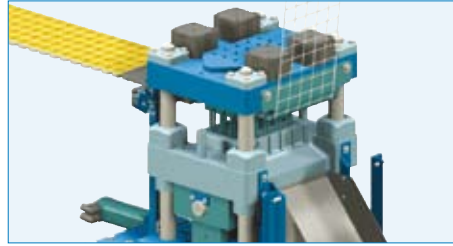
OYSTAR Hassia now also offers a packaging system for the low and medium capacity ranges that combines many years of experience with portion packaging with a very compact and operator-friendly design. Mini-portions are the ideal, hygienic way to package portions for use in hotels, aboard airplanes, for catering and for single-person households without compromising on quality and freshness.

These handy round, oval, square or even honeycomb-shaped cups offer perfect protection for your high-quality products and are the perfect advertising tools for your established brands and for launching product innovations into the market. The THL 24/28 form, fill and seal machine offers quality, reliability and a carefully balanced price/performance ratio.

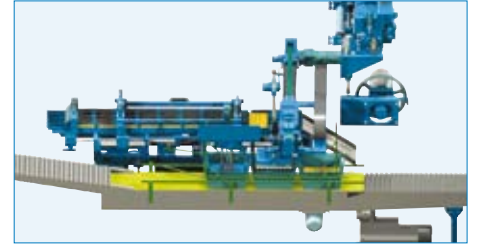




Sealing



Punching



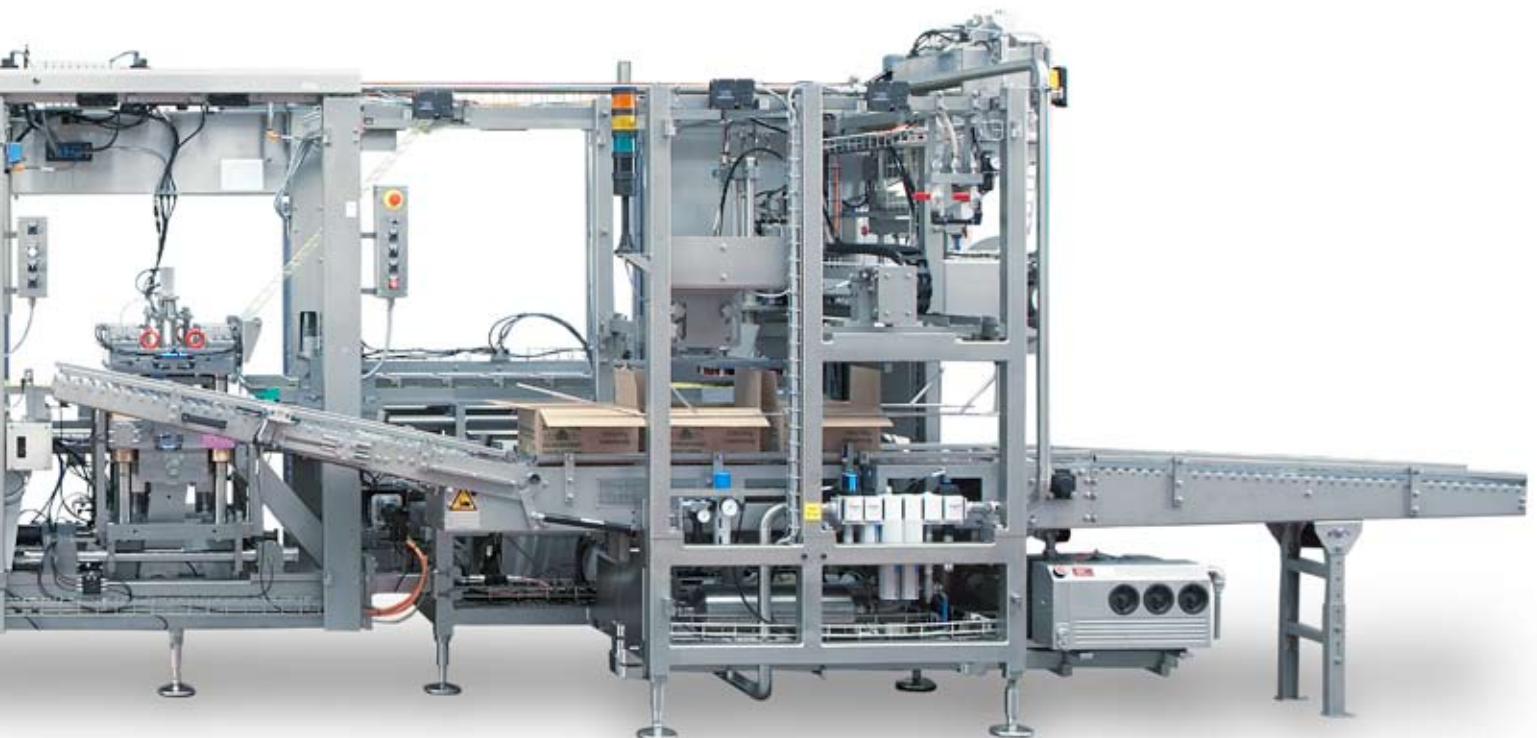
Case packaging

Advantages

- **Modular, compact construction**
- **Minimal footprint**
- **High output on a reduced production surface**
- **Lots of different filling systems**
- **Efficient use of energy and optimum process control by servo drives in all relevant functions**
- **Less packaging material needed thanks to:**
 - the use of forming material of minimal thickness
 - even heating up of the material and accelerated forming process for an optimally controlled and optimally distributed wall thickness
 - minimal punch waste from the low-waste punch unit
 - volume-saving, overlapping packing configuration when final packaging into boxes or trays

Flexibility

- Customer- and product-specific design, adjusted to the product and production requirements
- Various cup designs are possible
- Size configuration in keeping with the required production capacity
- Flexible control concepts and integration with customer-specific systems
- All commonly available qualities of packaging material, such as PS, PET and PP, can be processed





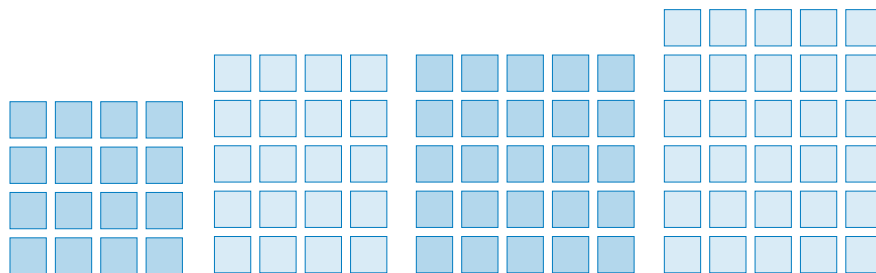
Possible uses

The dairy industry: to package butter, desserts, cream cheese, soft cheese

The food industry: to package ketchup, mustard, mayonnaise, sauces, jams, honey, spreads, nougat cream, margarine, spices, herbs, dressings

An economic solution for every production requirement!

OYSTAR Hassia offers FFS machines for single-portion cups in various capacity ranges; the example shown here is a single-portion cup with a capacity of 20 g and a rated output of 30 cycles a minute.



Format	16-up	20-up	25-up	30-up
Cups per hour, up to approx.	28.000	36.000	45.000	54.000
Production capacity	560 kg/h	720 kg/h	900 kg/h	1.080 kg/h



Highlights at a glance!

- Web run at a height of only 1 meter
- Operator-friendly working height
- Barrier-free visual inspection
- All work stations are easily accessible
- Space saving design
- Intuitive user interface due to the modern software system that enables multi-touch functionality
- HMI according to the latest ergonomic points of view as regards operation, color schemes and presentation

Complete solution due to adaptable case packaging systems

The case packaging system deposits complete punched formats in several layers into cartons or trays. Interleaf insert, automatic carton/tray supply and discharge systems are also available.

The walking beam conveyor always takes one complete punch cycle horizontally out of the punch and overlaps it within one complete punch cycle in longitudinal and cross directions during transport. The transfer unit then deposits the punch cycles in one or several layers in a carton or tray.

Depending on your chosen box size, the case packaging station can also be designed such that it carries over two punch cycles in parallel or in a cross-direction to the running direction of the packing discharge. The packing scheme is adjusted to the customer-specific production requirements.

Machine details	Technical details	Max. reel diameter
Length, approx. 5,5 m (FFS-Machine)	Max. working width 280 mm	Cup material 1.200 mm
Depth (excl. control cabinet) approx. 1,5 m	Max. draw-off length 240 mm	Lid material 400 mm
Height (depending on dosing system): 2,4 m	Format range expandable on demand	
Weight approx. 7,5 t.		
Drive: Servo-Systeme	Max. forming depth 40mm	

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