

ServoForm™ Flexi Depositor

The ServoForm™ Flexi combines the benefits of Baker Perkins' hygienic starch-free depositing with the flexibility to choose setting times between a few minutes and several hours. With outputs between 100 and 1,000kg/hr the Flexi is ideal for confectionery and nutraceutical manufacturers looking for high quality, low production costs and hygienic operation.



Gateway to the starch-free process

The starch-free process is ideal for producing gummies and jellies for the rapidly growing functional, nutraceutical and healthcare markets. Starch-free depositing is both more hygienic and economic than traditional starch mogul production for the lower throughputs that are typically required for these industries.

Unique quick-change mould design

The new single-piece plastic mould is unique to the ServoForm™ Flexi. The strong, rigid construction provides resistance to twisting to maintain depositing accuracy and stack stability, and is designed to survive both manual and automatic handling for multiple cycles. They are temperature resistant to allow hot product and automatic washing. Location and stacking features ensure stable stacks up to 25 moulds high on the pallet and allow good air flow between the stacked moulds in a conditioning room or tunnel.

Product and process flexibility

The ServoForm™ Flexi extends the ServoForm™ depositing range by offering the capability to produce gummies and jellies with long setting times. Solid, striped, centre-filled and layered products with gelatin, pectin or specialized gelling agents are deposited at final solids so no drying is required, only setting/conditioning.

innovation centre



The development work required to launch a successful new product or improve an existing process can be carried out in the Baker Perkins Innovation Centre. With a full range of pilot-scale equipment and assistance from our expert food technologists, all the necessary tests can be conducted without using valuable plant time.

Typical Installation Includes:

Turbofilm™
Cooker



ServoForm™ Flexi

Conditioning,
Demoulding &
Finishing

ServoForm™ Flexi Depositor



Servo Actuation

Independent servo actuation allows up to four different colours or weights to be deposited simultaneously

Hoppers

Twin hoppers each with two manifolds depositing 11 across. Heated hoppers with minimal residence time improve consistency and reduce waste on changeover

Oil Spray

Individual spray nozzle for each cavity

Mould Conveyor

Intermittent motion mould conveyor with magazine feed ensures a continuous flow of moulds

Product Flexibility

Solid, striped, centre-filled and layered



Mould Lift

Reduces tails, aids centre-filling



Moulds

Moulds are removed after depositing and the product remains in the mould until full gel strength is developed

Moulds are stacked on pallets and transported between operating stations



Machine Mounted HMI

Intuitive operator controls with clear process visualization and powerful recipe control, trending and alarm functions.

Industry 4.0 Ready for both fault finding support and real-time data collection for preventative maintenance

Hygiene Features

- Stainless steel construction for foam-and-rinse washdown
- Automatic washout of product hoppers
- Moulds are removable and washable both manually and automatically
- Oil contamination minimized on machine surfaces
- Main depositor body is easily cleanable, with minimal crevices or ledges where product and / or wash water can collect
- Minimal fixings heads on wipe down surfaces and no painted main surfaces
- Waste water and product management integrated in frame design
- Control of product and oil waste during setup / purging. Product waste is separated from wash waste to keep sugar out of waste water
- Manifolds are removable without removing the hopper to aid product changeover and easily recover blocked pump cylinder or nozzles

Specifications

- **Output:** 100 – 500Kg/hr, 500 – 1,000Kg/hr
- **Product weight range (nominal):** 1 to 30g

Options

- Second depositing head and intermediate conveyor for up to 1,000kg/hr production or two layer products
- Second row of oiling guns for higher output machines or long cavities where spray area is larger
- Discharge conveyor for automatic or manual unloading of filled moulds