

LEONHARDT GMBH Postfach 201 136 D-63271 Dreieich

MASCHINENFABRIK LEONHARDT GMBH

Darmstädter Straße 64
D-63303 Dreieich

Telefon +49 (0) 61 03/6 10 98
Telefax +49 (0) 61 03/6 10 00
info@maleo.de
www.maleo.de

Amtsgericht
Offenbach/HRB 40930
Geschäftsführung
Eric Kerschbaumer



SERIES AG (servo)

Applications: Soups, sauces, dressings, gulasch with particles upto 30x30x30 mm, stews, delicatessen salads, ready meal components like mashed potato red beet, sauerkraut, vegetable mixes, marmelades, jams, honey etc. (homogenous and pumpable, without separation)

Temperature range 2 - 90°C

Combinations: Traysealers (single and multiple lanes), thermoformers, pouch packaging machines and flowwrappers, cartoning machines and conveyerlines for jars, cans, buckets and cups.

Dosing ranges: Total range: **10 - 6.600 ccm** per cycle and dosing position.

DN 30 stroke 150	10 - 105 ccm
DN 50 stroke 150	50 - 290 ccm
DN 80 stroke 150	200 - 750 ccm
DN 100 stroke 150	350 - 1.170 ccm

Other diameters and stroke lengths available

Dosing capacity: max. 20 - 50 cycles / min / position, depending on product and dosing volume.

Dosing positions: **1 - 12**

- Piston drive: servodriven,
1x central servo drive for all dosing cylinders, individual servo drives for all dosing cylinders available
- Rotary valve drive: pneumatic
- Controls: PLC S7 with Touch-screen operator panel.
- Synchronisation: interface with packaging lines, line controls, Fill-on-Demand, interface with checkweighers, tendency controls.
- Volume adjustment: The stroke length and speed of the servo driven dosing cylinders is adjustable on the Touch Screen OP. Memory for maximum 100 different product programs
- Dosing system: Dosing cylinder with rotary valves.
Stainless steel pistons with O-rings or special coils resistant to high temperatures or sugar containing product.
- Dismounting: Easy manual „one-tool“ operation.
- Options:
- Stirrer** (horizontal / vertical) + feeding screws (horizontal)
Motordrive frequency controlled and covered.
 - Heated hopper**, double jacket hopper with temperature control.
 - Level sensor (hig-low level)** in the hopper with interface to external or integrated transferpump
 - Transferpump** integrated in machine frame to pump product directly from 200 l. trolleys or other containers into the hopper.
 - Vertical movement of the filling nozzles** for improved filling/spreading of the product in the packs.
 - Horizontal movement** (pneumatic) for multiple rows/lanes on thermoformers
 - Horizontal movement** (servodriven) for synchronisation to traysealerlines or conveyors in continuous motion.

Individually driven dosing cylinders (servodriven) all dosing cylinders can be adjusted and actuated individually.

Individually actuated dosing cylinders (pneumatic), all dosing cylinders can be actuated individually ("no tray-no fill").

Dosing nozzles in several executions related to the product e.g. rotary nozzles, capillary nozzles, cutt-off nozzles. Several coatings and geometries possible.

Parts and tool cart, for cleaning and storage of the dismantled parts.

Transportsystems for trays, jars, cans etc. incl. denesters, automatic tray lidding machines and lid rolling devices.