



LW 600

Stainless steel automatic closing machine for round cans LW 600

The closing machines of type **LW 600** qualify especially in the canning and beverage industry as well as in the can production because they are completely rust-free and need low maintenance.

The standard equipment of the machines with powered closing heads and spindle sleeves allow for proper creation of a double seam on steel, aluminium or combined cans.

On request, the **LW 604** and **LW 606** machines can be operated with the half the number of stations at first – i.e. the LW 604 with 2 and the LW 606 with 3 stations. A subsequent upgrade to the fully equipped 4- resp. 6-spindle unit is possible whenever higher demands require it. This allows for a highest level of flexibility with shortest set-up times for the filling operation!

Working principle

If the filling system is arranged upstream and is driven by the closing machine, the can delivery is operated by a synchronously running driver chain. By default the machine is equipped with an inlet screw which, in intervals, feeds in the cans almost spill-free. For can manufacturers, the closing machine can also be delivered with continuous feeding. An electro-pneumatic system manages the required feed of lids as required ("no can – no lid").

After separation of the lid in the one-screw-magazine, it will be fed to the transfer point of lid & can via the lid / can transfer turret. The can is closed by a pre-roll and a finish-roll, while the cans are rotating during the seaming process. After the seaming process, the cans are transported out of the closing machine through the discharge turret.

Design characteristics

The closing machines are made of stainless or corrosion proof materials. The frame of screwed V4A plates meets the current requirements of the food and hygiene regulations.

The sheet metals are developed to be thinner and harder. To be able to process them optimally in the **LW 600** there is the possibility to adjust the circumferential speed of the can during the closing process independently from the machine speed.

Format change

The use of rapid change systems for the seaming tools as well as the lid and can guides ensures a safe and fast format change. The height is adjusted by hydraulic cylinders.

Maintenance and Hygiene

To keep the maintenance intervals as long as possible, the machine is equipped with only a minimum of main distributors for the lubricating grease. If necessary, the machine is equipped with an automatically operating central lubrication system.

The drives are integrated in the upper machine housing. Two closed oil-lubricated standard drives are used as main drives. Cap/can and discharge turrets are driven by the upper part. That means that there are no axes and shafts below the work area.

All function-relevant components are easily accessible and provide a high level of operator convenience and ease of maintenance.

Product features at a glance:

- Completely made of stainless/corrosion-proof materials
- All drives above the can filling unit
- Rapid change system of closing tools
- Two separate frequency-controlled drives



Technical Data						
	LW 602	LW 603	LW 604	LW 606	LW 608	LW 610
V-Stations	2	3	4	6	8	10
Ø in mm	52 – 99	52 – 99 (99 – 153)	52 – 99	52 – 99	52 – 99	52 – 99
Can height in mm	50 – 180 (27 – 260)	50 – 180 (27 – 260)	50 – 180 (27 – 260)	50 – 180 (27 – 260)	50 – 180 (27 – 260)	50 – 180 (27 – 260)
Capacity cans / minute	160	240 (160)	320	500	640	800
Powe connec- tion in kW	7.5	7.5	7.5	7.5	8.5	8.5
Compressed air consump- tion in Nm³ / h	0.8	0.8	0.8	1.1	1.2	1.5
Dimensions in mm	2,300 x 1,100 x 2,600	2,300 x 1,100 x 2,600	2,300 x 1,100 x 2,600	2,300 x 1,100 x 2,600	2,300 x 1,400 x 3,000	2,300 x 1,400 x 3,000
Weight net in kg	1,500	1,500	1,600	1,800	2,400	2,650

Subject to technical alterations!

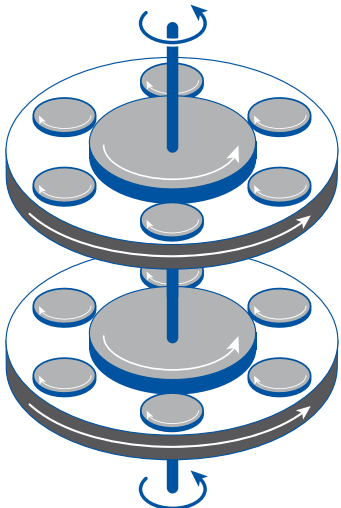
Drive arrangement (two frequency-controlled motors)

Drive B

Drive for the seaming chucks and lifter plates

Drive A

Drive for the complete seaming rotor and lifter plates rotor (Machine speed)

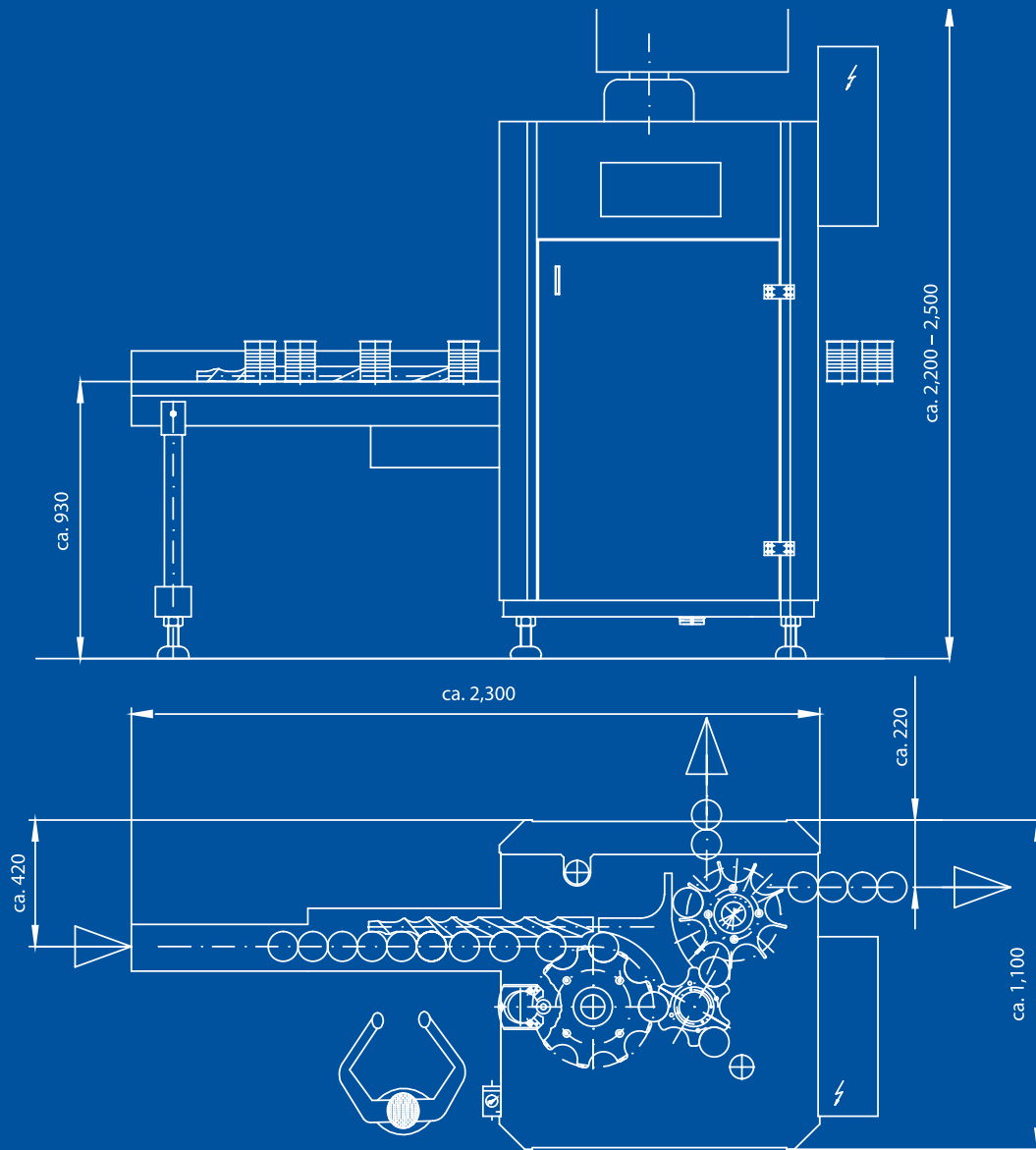


OPTIMUM ADAPTATION

The circumferential speed of the cans during the closing process can be adjusted optimally by two separately controllable drives.

With this, an improvement of the double seam is achieved in terms of the degree of crimping.

Assembly plan LW 602 – 606



Optional extensions for the LW 600 series

- Extension of lid magazine
- Drive of filling machine
- Under cover steam
- ISC – Inline Seam Control
- Cleaning unit (CIP)
- Fixture for lid labelling
- Infeed table with synchronously running driver chain for cans
- Automatic central lubrication system
- Height adjustment by electric motor