



**LW 500**

### Stainless steel automatic seaming machine for round cans LW 500

Machine type **LW 500** was developed based on the experiences with the reliable seaming machines of the **LW 600** series. It was designed to provide small and medium-sized canning businesses with an affordable stainless steel machine with an output of 30 to 80 cans / minute (as 2-spindle **LW 502**) or up to a maximum of 120 cans / minute (as 4-spindle **LW 504**).

Another of the series' advantages is that the machine can be equipped with four stations with two formats each (e.g. 2 x 73 mm and 2 x 99 mm). Additionally, short setup times of less than half an hour are possible due to a rapid change system

### Working principle

The incoming cans are synchronized to the machine by a specially constructed infeed gear-wheel. An electro-pneumatic system manages the required feed of lids as required ("no can – no lid").

After separation of the lid in the lid magazine, it will be fed to the transfer point of lid & can via the lid/can transfer turret. During its cam-controlled upward movement the filled can receives the lid, which was laid out in a special lid slide. Can and lid are finally clamped between lifter plate and seaming head.

The can is seamed by a start roll and finish roll while the cans are rotating during the seaming process. After the seaming process, the cans are handed over to a customer supplied outfeed conveyor.

### Design characteristics

The seaming machines are made of stainless steel or corrosion proof materials. The frame of three 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, the **LW 500** series is able to adjust the circumferential speed of the can during the seaming process independently from the machine speed.

In order to do so, simply change the crown gear in the drive in the machine's upper body which powers the lifter plates and seaming chuck spindles.

### 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.

Lid/can and discharge turrets as well as infeed table and infeed gear-wheel are driven from above. 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.



LW 504 in detail – accurately fitting.



#### Product features at a glance:

- Completely made of stainless steel /corrosion-proof materials
- All drives above the can filling unit
- Hight-adjustable machine top
- Powered spindles
- Precisely working one-wheel de-stacking
- Rapid change system of seaming tools
- Tightly sealed seaming rolls for even extra long production cycles
- Protection cover according to CE as well as German UVV standard.

#### Technical Data

V-Stations	LW 502	LW 504
Ø in mm	52 – 99 (99 – 153)	52 – 99 (99 – 153)
Can height in mm	50 – 180 (min. 20 – max. 250)	50 – 180 (min. 20 – max. 250)
Capacity cans / minute	30 – 80	up to 120
Power connection in kW	3,5	3,5
Compressed air consumption	0,5 l/min	0,5 l/min
Dimensions in mm	1.300 x 1.200 x 2.400	1.300 x 1.200 x 2.400
Weight net in kg	1.250	1.340

Subject to technical alterations!

#### Optional add-ons:

- Extension of lid magazine
- Under cover steam
- Cap labeling / Inkjet
- Electrical hight adjustment
- Central lubrication system

# Assembly plan LW 502 – 504

