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RV 641 · RV 642 · RC 660
Waste Rollers

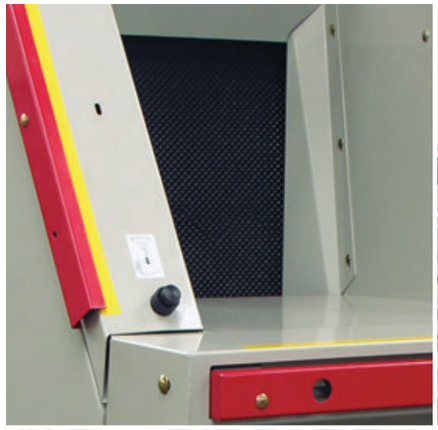
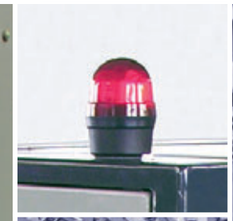
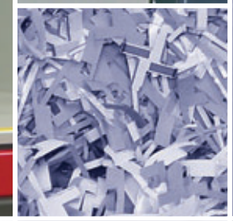
Technical Data

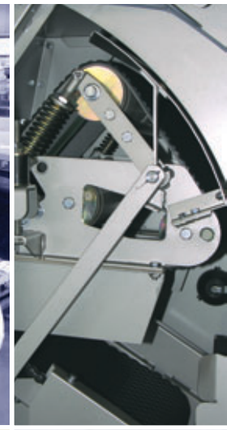
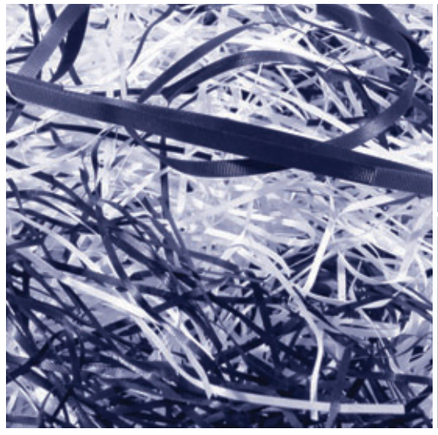
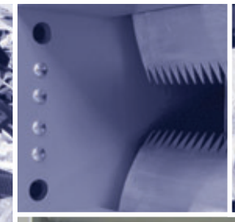
WELGER Waste Rollers	RV 641	RV 642	RC 660
Width	900 mm	900 mm	900 mm
Depth	1490 mm	1490 mm	1500 mm, with chute 2100 mm
Height	1750 mm	1750 mm	1630 mm, with hopper 1755 mm
Height of feed table	1080 mm	1080 mm	–
Width of feed table	600 mm	600 mm	–
Weight	540 kg	540 kg	675 kg
Bale diameter	up to 400 mm	up to 400 mm	up to 400 mm
	–	3-position pre-select	3-position pre-select
Bale length	600 mm	600 mm	600 mm
Bale weight, according to: pressed commodity	up to 30 kg	up to 30 kg	up to 30 kg
Pressed density according to: pressed commodity	250 - 400 kg/m³	250 - 400 kg/m³	250 - 400 kg/m³
Throughput	up to 300 kg/h	up to 300 kg/h	up to 300 kg/h
Catchment speed	0,36 m/s	0,36 m/s	0,36 m/s
Binding agent (optional) Film	wrapping film 25 µm	wrapping film 25 µm	wrapping film 25 µm
Diameter	250 mm	250 mm	250 mm
Width	580 - 600 mm	580 - 600 mm	580 - 600 mm
Other films on request	○	○	○
or Sisal binding yarn	•	–	–
Running length	approx.. 300 m/kg		
Binding and bale ejection	automatic	fully automatic	fully automatic
Colour scheme (RAL 7038)	•	•	•
Three-phase, geared motor 2,2 kW	•	•	•
Electrical controls			
with automatic overload protection	•	•	•
Reversed operation	semi-automatic	semi-automatic	fully automatic
Lockable main switch	•	•	•
Indicating of bale diameter	LED	LED	LC Display
Signals indicating maximum filling level	acoustic	acoustic +optical	fully automatic
Signals indicating interference	–	–	•
Safety contact rails against improper interference	•	•	•
Securing the protective hoods by	limit switch	limit switch	safety position switch
Time-relay with adjustable operating times	•	•	controlled by light barrier
Bale counter	•	•	•
Hours of operation counter	•	–	•

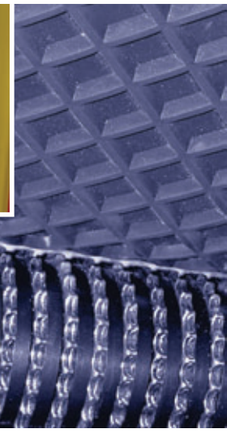
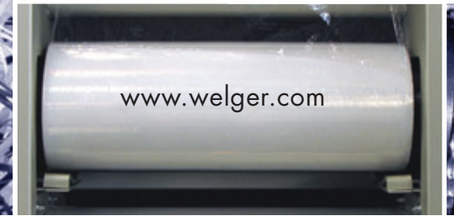
The electrical equipment corresponds to the VDE regulations. When connecting to supply the regulations of the relevant local authorities have to be observed. The power supply has to be secured by at least 16 Amp (slow blowing)on the building side. Subject to alterations. The details and diagrams provided in this pamphlet are approximate and, apart from the standard scope of supply, may also include special accessories. (● > standard, – > not available, ○ > optional)





Waste Rollers from Welger – Universal and economic in use.

Welger products with their high levels of automation offer the advantage of integration into almost all operational processes in trade and industry. Our solutions, tailored to the market, allow for easy processing of a great variety of materials already at the waste site.

Equipped with special features they can also be used in many areas with increased safety and hazard requirements, e.g. in the chemical industry. In the context of „Waste Logistics“ our engineers develop tailor-made disposal concepts and integrate these into our products.

Our customers can profit from our experiences in almost all lines of business, industry and trade.

This way extensive engineering advice leads to individual system solutions.

Occurring recycling materials:

- Big-bags
- Films (wrapping, shrink and blister films)
- Cardboard packaging
- Plastic foam packaging
- Paper-/Paper punching residues
- Plastic foams
- Fleece materials
- Other materials

RV 641 · RV 642 · RC 660

The Welger Waste Rollers, RV 641, RV 642 and the newly developed, fully automatic RC 660, due to their mobile and compact design are especially suitable for the compression and economic disposal of packaging and other recycling materials generated in the retail trade and manufacturing industry.

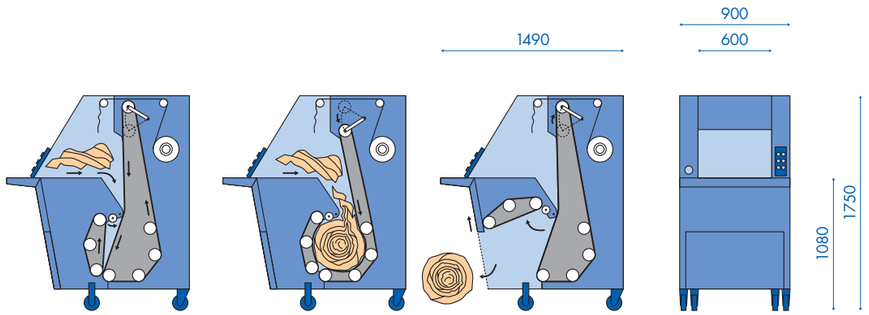
RV 641 · RV 642
Intense strength without space wasting.

Economical disposal presupposes collecting of segregated recycling materials. This can be carried out simply and effectively, directly at the point where the waste material is generated. At these points, our small, compact and mobile Waste Rollers can work very well saving space and time.

The Welger Waste Rollers RV 641 and RV 642, compress voluminous waste material, by rolling it into cylindrical bales in the easiest way and in the narrowest place.

Advantages at a glance:

- Compact design, and mobile
- Robust and reliable for constant daily use with easy operation
- Automatic wrapping technique
- Improved hygienic conditions at work, extremely safe in daily operation
- Impressive cost saving operation by a low deployment of labour and by reduced effort of storage, transportation and disposal



Welger Waste Rollers RV 641 and RV 642 are equipped with the world-wide-approved Welger-Waste Roller design, with material compression formed by two wide, circulating conveying belts with a special gripping structure profile. These belts form a round bale chamber in which the compression of the introduced material is carried out. Twine or film wrapping and automatic ejecting will be carried out after achieving the pre-selected bale diameter.

RV 641 · RV 642

Due to their compact and mobile design, both Waste Rollers can be integrated into operational processes almost at every place where recycling materials occur to compact big-bags, films, cardboard packages, plastic strapping bands, paper stripes, foam packaging and matting material, fleece materials and many other special materials for disposal.

Explaination of the working method:

After being segregated, the recycling material can be put manually on the feed table of the machine. Once collected by the conveying belt, it is led into the compacting chamber and formed into a cylindrical bale by the rotating action of two belts.

With a continuous material supply, the two conveying belts form a cylindrical bale in which the pressing material is compacted.

The operation can be interrupted as needed in the baling process. During every interruption the material remains compact and under permanent pressure. Therefore the waste cannot re-expand in the machine.

The filling level is shown continuously via a LED display. After achieving the pre-selected bale size (on the model RV 642 three bale diameters can be selected) the wrapping is started manually by putting the binding material into the feed intake. Depending on the quality of the waste material the bales are wrapped either twice with twine or just once with wrapping film, automatically. (RV 642 only works with film wrapping).

After the twine-tie or wrapping process is completed, a cutting device cuts the binding material. The baling chamber can then be opened electrically by using a switch on the operating console and will be closed again after having ejected the bale automatically. On the RV 642 an initiator counts the film-wrap for the bale. After completion, cutting the film and ejection of the wrapped bale is carried out fully automatically.

Special equipment:

Fitted with a special extractor system the Welger Waste Roller RV 641 can be used in many areas of the chemical industry. Materials that are contaminated with residual and dangerous dusts travel though the extraction area at the feed table. Thus contamination of the waste material is reduced to a minimum.

RC 660
Compact in size and fully automatic operation.

The new development of Welger is a consistent step for the rationalization and full automation of the internal disposal of recycling materials.

The Welger Waste Roller RC 660 works with many different, cleanly sorted packaging materials. Especially re-expanding waste, which can be reduced down to 10% of its original volume.

Advantages at a glance:

- Extremely compact style, and mobile
- Robust and reliable for daily use with easy operation
- Impressive cost saving operation by a low deployment of labour and by reduced effort of storage, transportation and disposal
- Fully automatic operation
- Improved hygienic conditions on site

RC 660

The Welger RC 660 is a newly developed baling press, compressing voluminous materials like big-bags, plastic films, cardboard packaging, plastic strapping bands, paper and paper stripes, foam material, fleece substances and many other special materials to cylindrical bales.

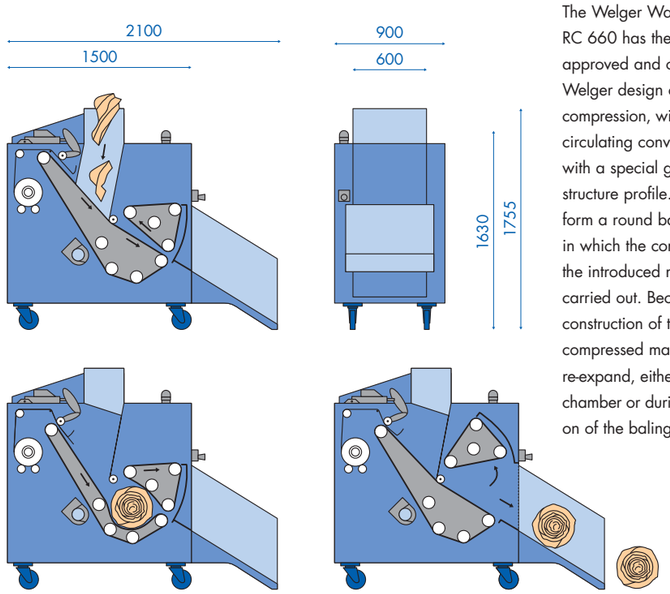
Explanation of the working method:

The waste material is automatically supplied via conveyor belt or air technology. It is collected in a filling hopper, where a light barrier is integrated. The baler starts automatically after being triggered through the light barrier. The pressing material is then rotated into the bale chamber inbetween the two conveyor belts. After the baler has processed the waste material the light barrier recognises the empty hopper and switches the RC 660 to the „Stand-By“ mode.

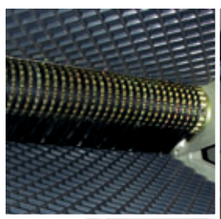
With more waste material supplied, the two conveying belts form a round bale of the compressed waste. The feeding can be interrupted as necessary and continued again at any time. Even strongly re-expanding materials remain compressed.

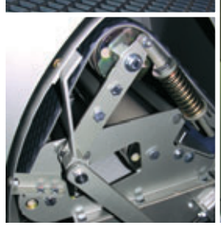
The filling level is shown on operator's panel continuously via a LC display. If the pre-selected bale diameter is achieved, the wrapping process is started automatically, by inserting the wrapping film into the bale chamber. By continuously rotating the bale in the chamber it is wrapped with the wrapping film automatically.

An initiator counts the wraps on the bale and then releases the cutting device automatically. After this, the bale-ejection door is opened automatically and the finished bale is ejected. The door then shuts itself automatically.



The Welger Waste Roller RC 660 has the worldwide approved and optimised Welger design of rolling compression, with two wide, circulating conveying belts with a special gripping structure profile. These belts form a round bale chamber in which the compression of the introduced material is carried out. Because of the construction of the baler the compressed material cannot re-expand, either in the bale chamber or during interruption of the baling process.





Equipment:

The RC 660 works exclusively with wrapping film. The consumption of film is shown at the display and the roll of film can be replaced in a few easy steps.