



GRUMBACH UND PETERMANN

MASCHINEN RECYCLINGTECHNIK METALL

# Product Information



## PaperStar L

**Large Star Disc Screen (OCC)**

**Grumbach und Petermann GmbH**

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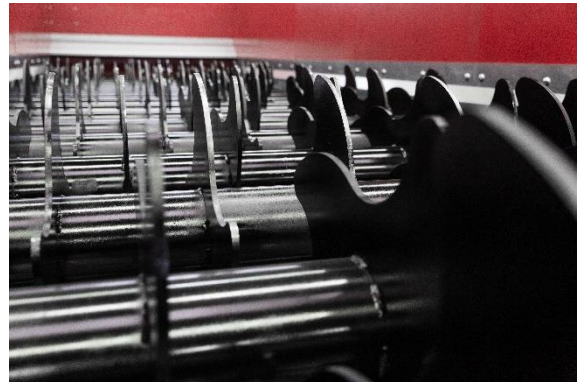
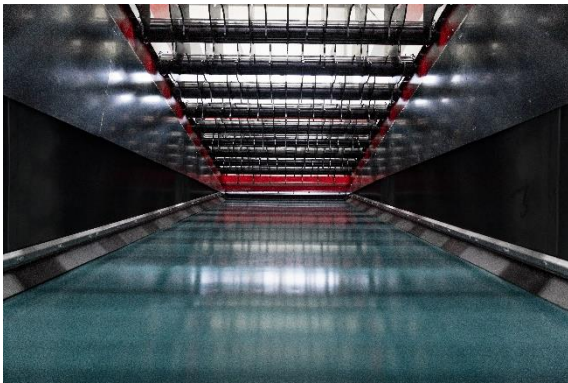
[www.gupgmbh.de](http://www.gupgmbh.de)



## The Basic Principle

PaperStar L sorting machines are used to separate large cardboard layers (old corrugated cardboard from paper, smaller cardboard portions and smallest material. In the standard version, portions from the size of a DIN A4 sheet are to be screened out.

The PaperStar L is usually installed at the beginning of a sorting line, where the material is fed from the top in as dry a state as possible over the entire width and from there is conveyed over the screening unit by rotating star discs.



When feeding, the majority of the smallest material falls directly through the screening unit onto a discharge belt below. Due to the rounded star discs, the material to be screened out is then conveyed over the entire screening deck to a subsequent discharge belt. In the process, all paper (e.g. newspapers, magazines, brochures, etc.) falls onto the discharge belt due to its lower stiffness, as well as smaller pieces of cardboard between the shafts.

The PaperStar L is available in widths of 1,600 mm and 2,000 mm. The standard version of the screen deck consists of 9 shafts, is driven by 2 motors and can be extended as required to handle higher feed volumes. Furthermore, the disc spacing can be variably selected to meet any special sorting requirements.

### Your benefits:

- Simple, purely mechanical sorting system
- GuP-typical robust manufacturing leads to high machine availability
- Low maintenance requirement with low operating costs
- Individually expandable and can therefore be integrated into any plant



## Technical Data Sheet

General	Type 1600	Type 2000
<b>Input capacity:</b>	6-8 t/h	8-10 t/h
<b>Total length:</b>	4,000 mm	
<b>Maximum width:</b>	2,465 mm	2,825 mm
<b>Height excl. substructure*:</b>	2,600 mm	
<b>Standard colour:</b>	ruby red (RAL 3003)	
<b>Possible inclination angles:</b>	11 – 19°	
Screening Unit	1600	2000
<b>Motor:</b>	4 kW	
<b>Length:</b>	3,870 mm	
<b>Inner width:</b>	1,700 mm	2,100 mm
<b>Height:</b>	1,400 mm	
<b>Weight:</b>	3,150 kg	3,750 kg
<b>Number of sorting shafts:</b>	9	
<b>Number of star discs per shaft:</b>	6 resp. 7	7 resp. 8
<b>Distance between discs:</b>	240 mm	
Discharge Belt	1600	2000
<b>Motor:</b>	4 kW	
<b>Distance axle to axle:</b>	3,750 mm	
<b>Length:</b>	4,000 mm	
<b>Inner width:</b>	1,680 mm	2,000 mm
<b>Maximum width:</b>	2,180 mm	2,500 mm
<b>Height without hopper:</b>	400 mm	
<b>Weight:</b>	950 kg	1,100 kg

\* These specifications refer to an angle of inclination of 11°.



## Optional Features & Services

Alternative spacing of the star discs (standard: 240 mm)

Integrated hydraulic cylinder for variable adjustment of the inclination angle of the screening unit

Integrated support winches for variable adjustment of the inclination angle of the screening unit

### Extensions

Extension of the screening unit by 3 shafts (max. 18 shafts in total)

Extension of the screening unit by 3 shafts (max. 18 shafts in total), excl. discharge belt

Special extension of the screening unit by 3 shafts for more than 18 shafts in total

Special extension of the screening unit (< 3 shafts)

### Colours

Alternative machine colour incl. discharge conveyor (standard: RAL 3003 ruby red)

Alternative machine colour excl. discharge conveyor (standard: RAL 3003 ruby red)

Alternative colour for motors and gearboxes  
(Standard: RAL 7031 blue-grey)

### Services

Commissioning

Maintenance according to maintenance contract to be concluded