TECHNICAL FEATURES

- Knife ring flakers is the basic machine for producing high quality particleboard
- Globus patented wobble spreader disc, is a unique system for a perfect distribution of the chips inside the machine
- The eccentric disc has independent drive speed
- Perfect distribution of the chips, allows a complete and total use of the knife cutting edge and therefore great energy saving and reduction of wear parts consumption
- A long and careful research time was spent in different plants, in order to determinate the best cutting edge and number of knives for these application i.e. 54 knives
- Oil lubrication system for main bearings
- Very high precision impeller provided with presetting system for counter-knives
- Feeding door provided with air cleaner to reject heavy pollutants.

BENEFITS

- Homogeneous granularity of the flakes and perfect cutting of the wood, in order to increase the physical/mechanical properties of particleboard
- A perfect cutting of the edges, allows a limited consumption of glue
- Very low specific energy consumption
- Regular consumption of wearing parts.
Not binding data. IMAL-PAL Group reserves the right to make any modifications to the contents herein without prior notice. We kindly ask you to contact our technical department for eventual updates on the information provided.

### SRC 14.490 EVO IV
- Overall Dimensions: 2500 x 2850 x 2350 mm
- Knife Ring Diameter: 1400 mm
- Knives No.: 54
- Dimension of Knives: 490 x 90 x 4 mm
- Main Motor: 250 kW
- Weight Without Main Motor: 8500 kg

### SRC 14.690 EVO IV
- Overall Dimensions: 2500 x 3200 x 2350 mm
- Knife Ring Diameter: 1400 mm
- Knives No.: 54
- Dimension of Knives: 690 x 90 x 4 mm
- Main Motor: 315 kW
- Weight Without Main Motor: 10000 kg

### Graphs
- **SRC 14.490 EVO IV**
  - Production: kg atro/h - 1000
  - Thickness of Flakes: mm

- **SRC 14.690 EVO IV**
  - Production: kg atro/h - 1000
  - Thickness of Flakes: mm

Legend:
1 = Infeed Chips  
2 = Ferrous Pollutants  
3 = Heavy Pollutants  
4 = Flakes  
M1 = Main Motor  
M2 = Vibrating Feeder  
M3 = Magnetic Drum (MD)  
M4 = Wind Selector
PERFECT CHIPS DISTRIBUTION

THE WOBBLE SPREADER: patented by GLOBUS

- The patented Wobble Spreader is an eccentric and inclined disc
- Separate drive at variable speed allows the fine tuning
- So wood chips are uniformly spread across the flaking ring
- Benefits are impressive: 20-30% higher flaking capacity – much better flakes – saving of electric energy – saving of wearing costs, i.e. knives, shoes, etc.