KNIFE FLAKERS

RCG

TECHNICAL FEATURES

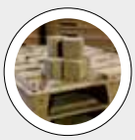
• Knife Ring Flakers must generate enough centrifugal strength to maintain the chips constantly pressed against the knives and fight the shearing stress. Conventional Flakers are designed to refine chips of regular size and mass. But, they do not generate enough strength to refine material of small size-mass, i.e. micro-chips, oversize particles, sawdust cubes, etc. In this case the reduced centrifugal strength is not sufficient to fight the shearing stress and small material go on jumping into the knife ring, which transforms them in toothpicks and sub-cubes with a fast loss of cutting capacity of knives. Starting from these physics concepts, we re-invented the Knife Ring Flakers
• Very high precision knife ring • High number of knives • Very high precision impeller provided with presetting system for counter-knives • Minimized gap among knives and counter-knives • High flaking speed and special setting to refine small-size material, i.e. micro-chips, oversize particles and sawdust cubes • Feeding door provided with air cleaner to reject heavy pollutants • Machine parts getting in touch with chips are highly protected against wear • Easy and quick replacement of knife-ring.

BENEFITS

• Excellent flakes from regular chips, fresh and recycled • Superior result from micro-chips, oversize particles and sawdust cubes • High efficiency • High reliability • Minimized maintenance costs • Low specific energy consumption.

BEST IN CLASS FOR:

WOOD BASED PANELS:
PB/SPB
OSB/LSB/FOSB



PRESSED WOOD PACKAGING:
PALLET BLOCKS
PRESSED PALLETS

PELLETS & ENERGY:
WOOD PELLETS AND BLACK PELLETS

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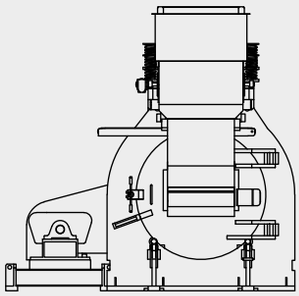
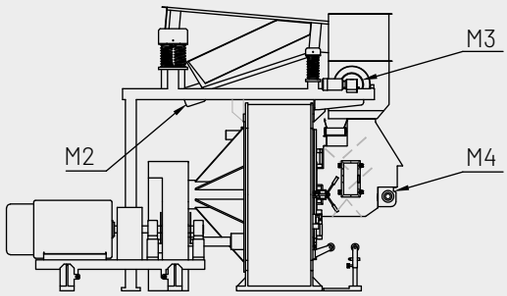
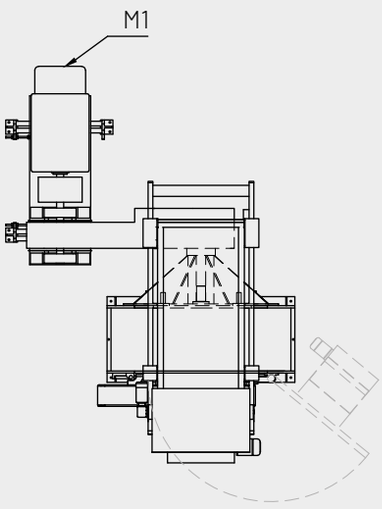
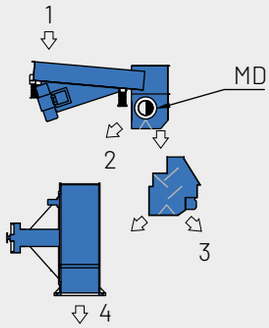
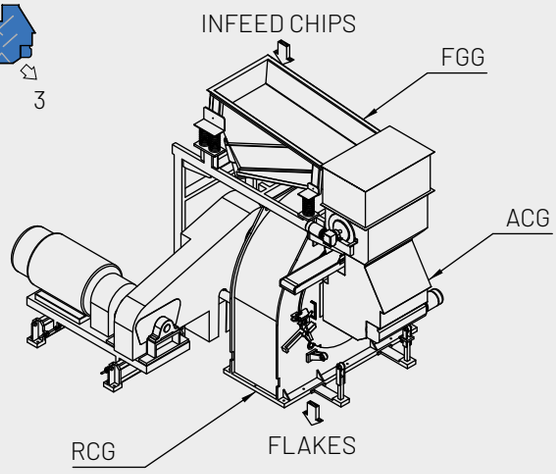










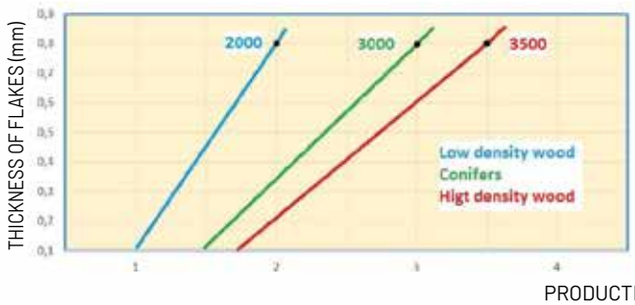
1 = INFEED CHIPS
2 = FERROUS POLLUTANTS
3 = HEAVY POLLUTANTS
4 = FLAKES
M1 = MAIN MOTOR
M2 = VIBRATING FEEDER
M3 = MAGNETIC DRUM (MD)
M4 = WIND SELECTOR

1

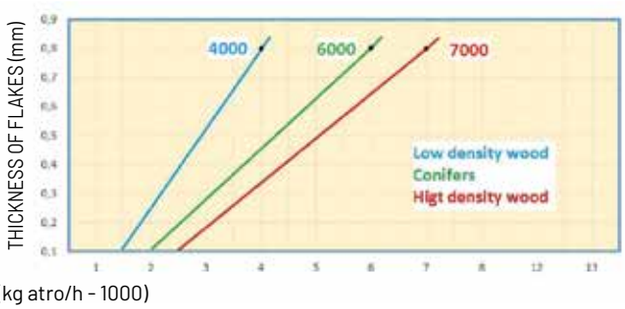
4

MODEL	OVERALL DIMENSIONS mm	KNIFE RING DIAMETER mm	KNIVES No.	DIMENSIONS OF KNIVES mm	MAIN MOTOR kW	WEIGHT WITHOUT MAIN MOTOR kg
RCG 10.360	2050 x 1810 x 1300	1000	36	350 x 90 x 4	132 / 200	3800
RCG 12.450	2200 x 1980 x 1730	1200	46	450 x 80 x 4	132 / 200	5900

RCG 10.360



RCG 12.450



PRODUCTION (kg atro/h - 1000)