

PAL

FLAKERS
REFINERS

07
FLAKERS
REFINERS

HAMMERMILLS, KNIFE RING FLAKERS



/ Hammermill

- designed for refining of regular chips, fresh or recycling;
- wear-proof internal materials;
- provided as option of vibrating feeder, magnetic drum and heavy pollutants separator;
- available in different models from 85 to 180 cm rotor diameter.



/ Knife Ring Flakers

- designed for flaking of regular chips;
- wear-proof internal materials;
- provided as option of vibrating feeder, magnetic drum and heavy pollutants separator.



/ Wind Selector

- designed for removal of pollutants from chips flow; advice for the protection of downstream machines like mills;
- low energy consumption;
- internal flaps system adjustable to set the selection.



HAMMERMILLS

03.01.A

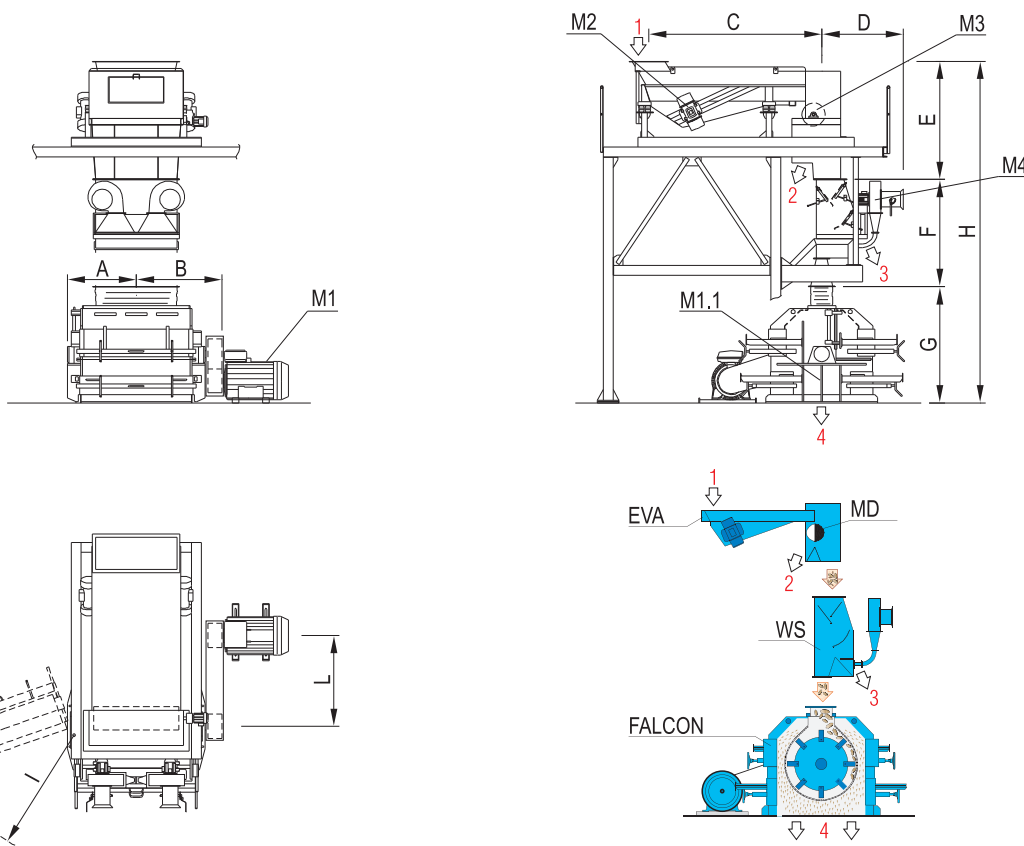
HAMMERMILLS - FALCON

TECHNICAL FEATURES

/ Simple and rough Hammermills can only disintegrate various materials, but they are not able to produce good particles from wooden chips / We therefore devoted all our energies to optimize the impact cut technique and Falcon is the optimum result of our research: high efficiency hammermills • special design to refine both fresh and recycling chips • rotor with theories of easily replaceable hammers • wear-proof hammers and impact segments • fast replacement of perforated screens • feeding provided with protection devices to reject heavy pollutants.

BENEFITS

/ Quality particles from fresh or recycled chips / High efficiency / High reliability / Minimized maintenance costs / Low specific energy consumption.

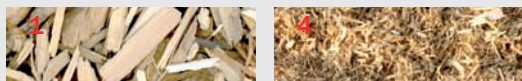


1= INFEED MATERIAL
2= FERROUS POLLUTANTS
3= HEAVY POLLUTANTS

4= HAMMERMILLED PARTICLES
M1= MAIN MOTOR
M1.1= HYDRAULIC UNIT

M2= VIBRATING FEEDER
M3= MAGNETIC DRUM
M4= WIND SELECTOR

Not binding data. We reserve the right of modification at any time without prior notice.



03.01.A

HAMMERMILLS - FALCON

OVERALL DIMENSIONS mm

MODEL	A	B	C	D	E	F	G	H	I	L
FALCON 105/85.EVA.MD.WS	677	860	2470	1505	2173	2072	1660	5905	1667	1839
FALCON 105/120.EVA.MD.WS	830	990	2470	1505	2173	2072	1660	5905	1667	2043
FALCON 125/195.EVA.MD.WS	1270	1584	3200	1505	2173	2017	2230	6420	2500	1672
FALCON 180/200.EVA.MD.WS	1407	1690	2682	1573	2661	2318	2740	7719	1120	2482

MODEL	CAPACITY* CHIPS & MICRO-CHIPS t/h	INSTALLED POWER kW					WEIGHT APPROX. KG	
		M1*	M1.1	M2	M3	M4	STANDARD	OPTIONS
FALCON 105/85.EVA.MD.WS	4 - 7	132 - 160	-	2 x 0,9	1,5	2,2	4500	2000
FALCON 105/120.EVA.MD.WS	7 - 8	200 - 250	-	2 x 0,9	1,5	2,2	5500	2300
FALCON 125/195.EVA.MD.WS	11 - 12	250 - 315	-	2 x 1,3	1,5	2 x 2,2	8800	3370
FALCON 180/200.EVA.MD.WS	14 - 16	400 - 630	0,75	2 x 3,0	1,5	2 x 4,0	16500	5000

*According to type of material, moisture content and mesh size of perforated screens.

MODEL	AUXILIARY SUCTION for MECHANICAL DISCHARGE			AUXILIARY SUCTION for 100% PNEUMATIC DISCHARGE		
	SUCTION m ³ /h	AIR SPEED m/s	SUCTION PRESSURE Pa	SUCTION m ³ /h	AIR SPEED m/s	SUCTION PRESSURE Pa
FALCON 105/85.EVA.MD.WS	7000	29	1000	38000	29	1000
FALCON 105/120.EVA.MD.WS	10000	29	1000	38000	29	1000
FALCON 125/195.EVA.MD.WS	16000	29	1000	56000	29	1000
FALCON 180/200.EVA.MD.WS	20000	29	1000	-	-	-



KNIFE RING FLAKERS

03.02.A

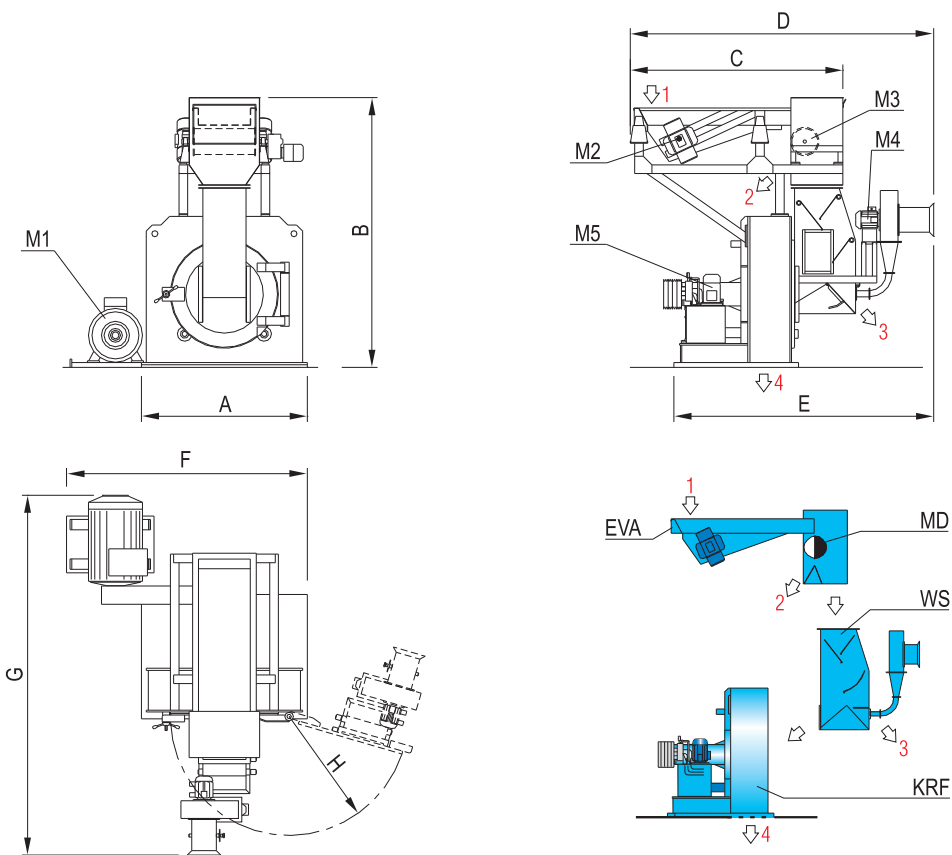
KRF - JAGUAR

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 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 provided with protection devices 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.

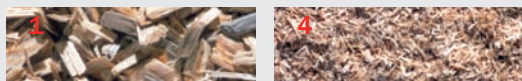


1= INFEED MATERIAL
2= FERROUS POLLUTANTS
3= HEAVY POLLUTANTS

4= FLAKES
M1= MAIN MOTOR
M2= VIBRATING FEEDER

M3= MAGNETIC DRUM
M4= WIND SELECTOR
M5= HYDRAULIC UNIT

Not binding data. We reserve the right of modification at any time without prior notice.



03.02.A

KRF - JAGUAR

OVERALL DIMENSIONS mm

MODEL	A	B	C	D	E	F	G	H
KRF 10/35.EVA.MD.WS	1920	3120	2460	3480	3140	2720	4170	1375

MODEL	INSTALLED POWER kW					WEIGHT APPROX. KG
	M1*	M2	M3	M4	M5	
KRF 10/35.EVA.MD.WS	132 - 160	2 x 0,65	0,55	2,2	1,5	5850

*Variable according to type of material

MODEL	CAPACITY** t/h	AUXILIARY SUCTION for MECHANICAL DISCHARGE			AUXILIARY SUCTION for 100% PNEUMATIC DISCHARGE		
		THROUGHPUT m ³ /h	AIR SPEED m/s	SUCTION PRESSURE Pa	THROUGHPUT m ³ /h	AIR SPEED m/s	SUCTION PRESSURE Pa
THICK DRY PARTICLES	4	7500	24 - 26	1000	18000	24 - 26	1000
WET CHIPS & SAWDUST CUBES	4	7500	27 - 29	1000	35000	27 - 29	1000

**Variable according to machine setting