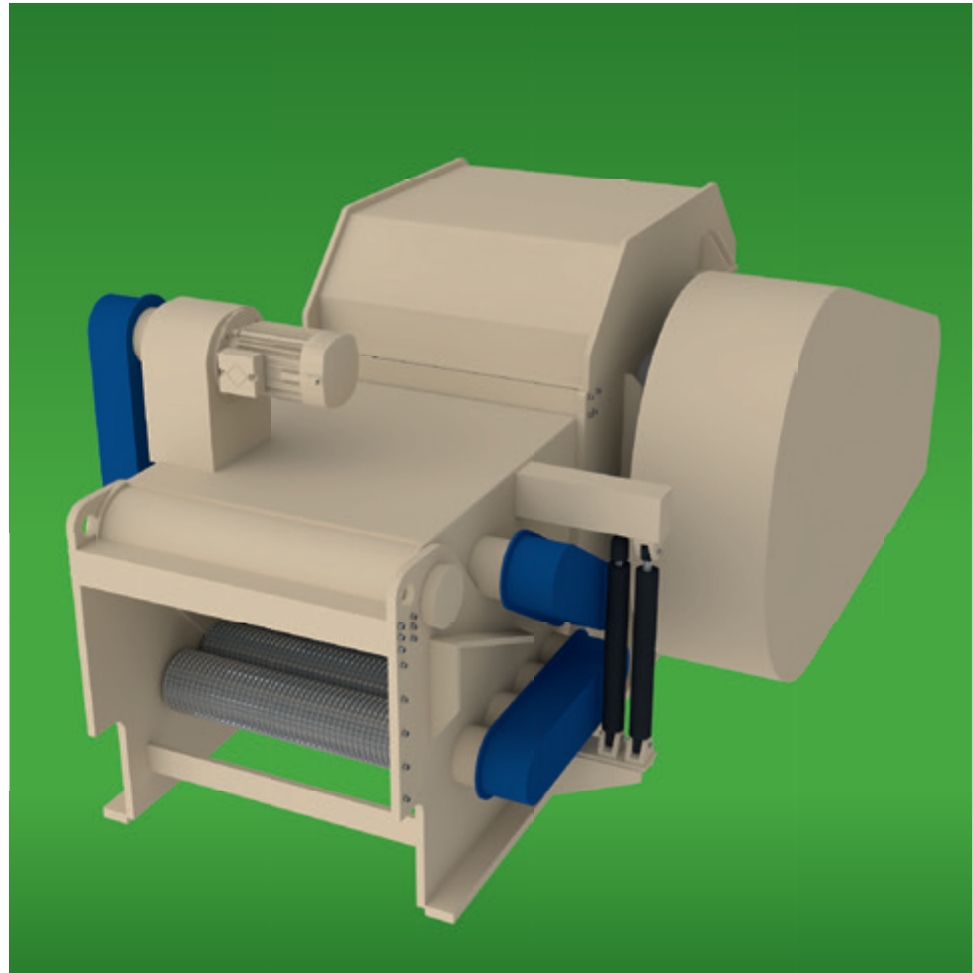




ML WOOD

Drum Chipper ML-HC



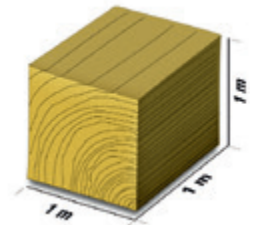
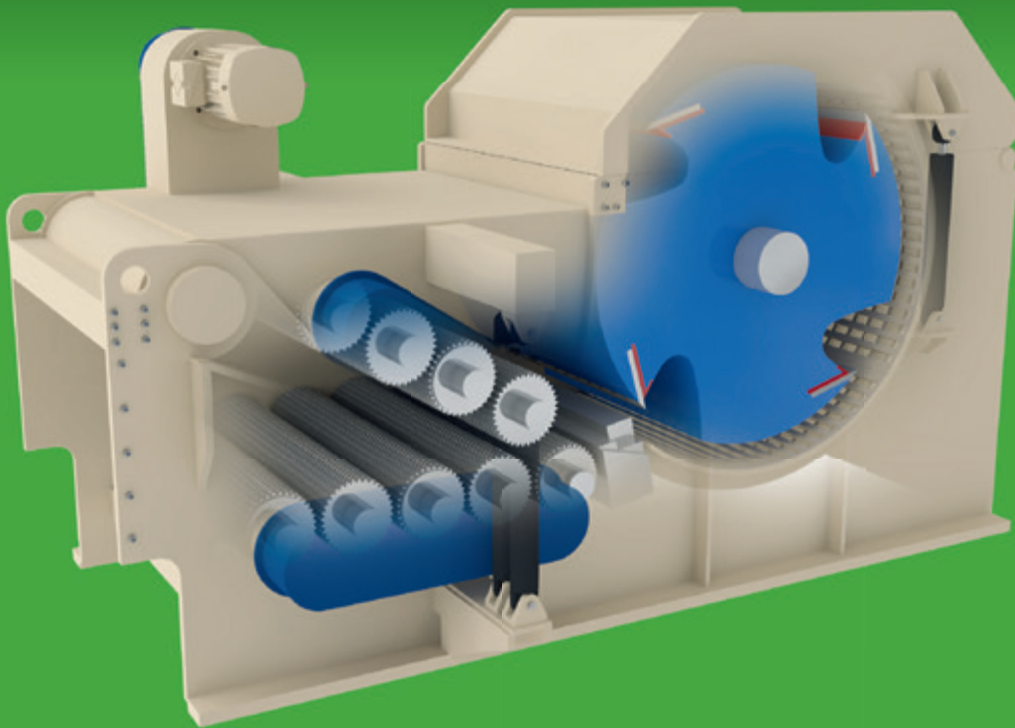
Production of high-quality chips

- Advanced and reliable technology
- Flexible
- High-quality chips
- Optimum material infeed
- Low-maintenance costs and service-friendly



ML WOOD

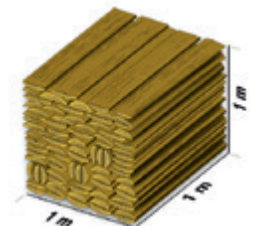
Designed for a large variety of wood species, the drum chipper forms the core machine in all equipment concepts such as board production plants (PB and MDF), power stations, chip production plants and many others.



Solid wood 1 m = 1 m³



Round wood 1 m = 0,75 fm



Slabs & offcuts 1 m = 0,6 fm

Definition: m³ | rm (stacked m³) | fm



Logs



Slabs



Log ends and offcuts

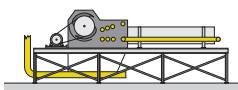


Sawmill residues

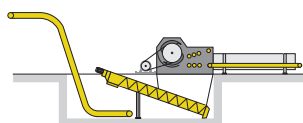


Residues of furniture reduction

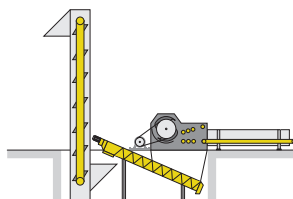
Chip extraction Systems



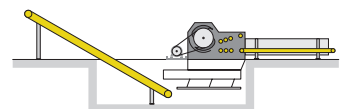
Full suction



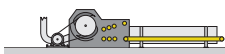
Screw / Trough chain conveyor



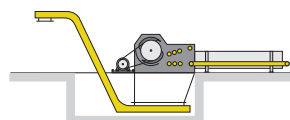
Screw / Bucket elevator



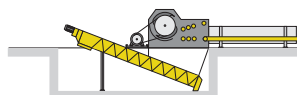
Vibration conveyor / Belt conveyor



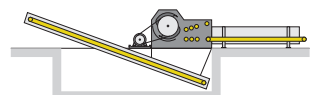
Full suction above ground



Trough chain conveyor (pit mounting)



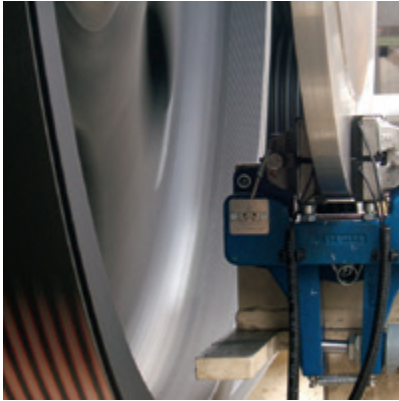
Screw (pit mounting)



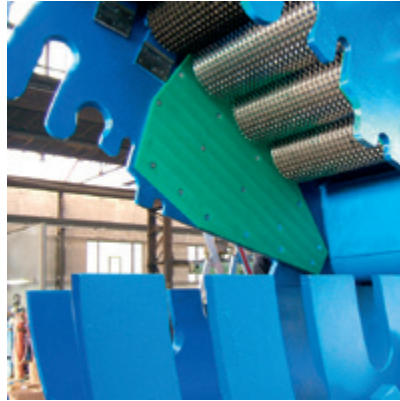
Conveyor (pit mounting)



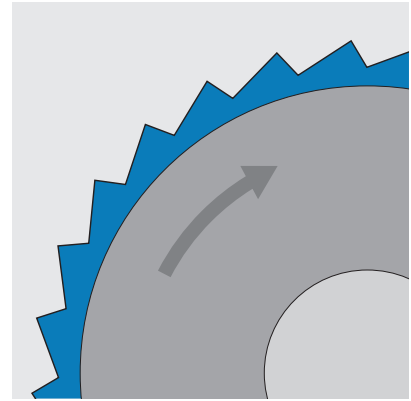
ML WOOD



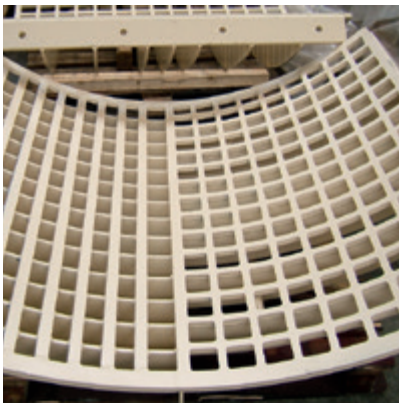
Rotor brake
for reduction of rotor speed



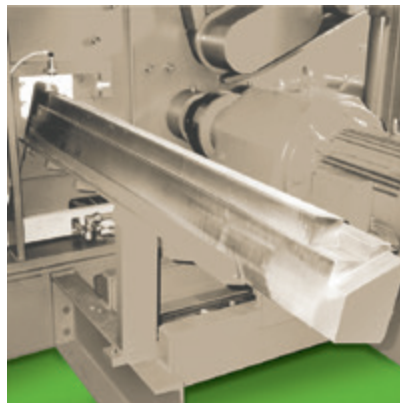
Gap reducer
to reduce the gap between casing and infeed swing wall



Infeed roller
with special aggressive tooth



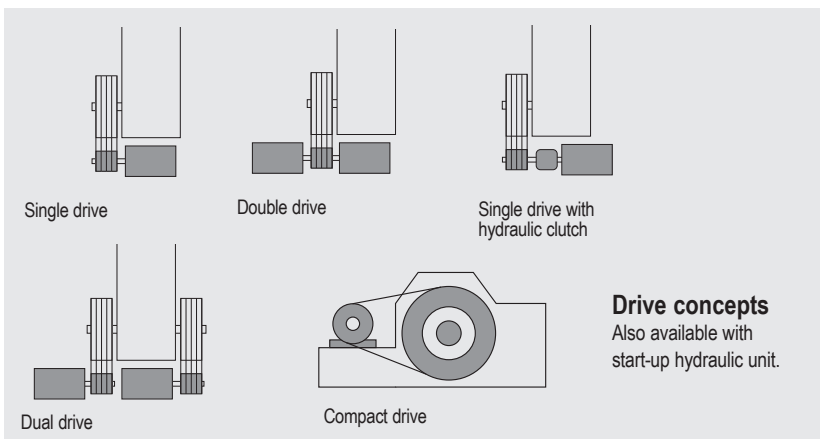
Welded screen part
to reduce oversizes



Counter knife
divided and exchangeable



Chain tensor
adjustable to keep the chain tension



Type of wood	Soft-wood	Coniferous-wood	Hard-wood
Wet density 1 fm [kg bd.]	380	430	550
	400	450	700
	420	500	800
Roundwood 1 rm [kg bd.]	300	340	525
Slabs 1 rm [kg bd.]	240	270	420
Bulk density 1 rm [kg bd.]	150	170	260

Description	Value range
Cutting speed v_s [m/s]	18 - 28 - (38)
Rotor speed n [min ⁻¹]	200 - 1000
Feeding speed v_e [m/s]	14 - 48
Filling ratio of trough f_{rv} [%]	10 - 14 - (18)



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Rotor ø / infeed opening ¹⁾ Height x width [mm]	Number of IR	Top/ bottom IR	CR ²⁾	Number of knives ³⁾	Rotor drive [kW]	IR drive [kW]	Capacity ⁴⁾ [m ³ /h]	Capacity ⁴⁾ [t b.d./h]	Chip vol. ⁵⁾ [m ³ /h]	Dimensions ⁶⁾ (L/W/H) [mm]	Weight [t]
HC 450 / 150 x 500	2	1/1	1	2/3/4	30 - 45	2,2/2,2	17 - 24	5 - 7	34 - 47	1.600 x 2.200 x 1.200	1,9
HC 600 / 200 x 650	2	1/1	1	2/3/4	55 - 75	3/3	30 - 44	9 - 13	60 - 87	1.600 x 2.350 x 1.250	5,5
HC x 1000	2	1/1	1	2/3/4	90 - 132	3/3	54 - 67	16 - 20	107 - 134	1.600 x 2.700 x 1.250	6,7
HC 800 / 250 x 650	4	2/2	1	1/2/3/4	75 - 110	5,5/5,5	40 - 54	12 - 16	80 - 107	2.350 x 1.650 x 1.400	7,5
HC x 1000	4	2/2	1	1/2/3/4	110 - 160	5,5/5,5	64 - 84	19 - 25	127 - 167	2.350 x 2.000 x 1.400	9,0
HC 1000 / 350 x 500	6	3/3	1	1/2/3/4	110 - 160	7,5/7,5	47 - 57	14 - 17	94 - 114	2.800 x 1.800 x 1.700	7,0
HC x 650	6	3/3	1	2/3/4	110 - 160	7,5/7,5	60 - 74	18 - 22	120 - 147	2.800 x 1.950 x 1.700	9,5
HC x 1000	6	3/3	1	2/3/4	132 - 200	7,5/7,5	94 - 120	28 - 36	187 - 240	2.800 x 2.300 x 1.700	13,0
HC 1200 / 450 x 800	8	4/4	1	2/3/4/5	200 - 315	11/11	90 - 110	27 - 33	180 - 220	3.460 x 2.500 x 1.850	14,0
HC x 1000	8	4/4	1	2/3/4/5	250 - 355	11/11	107 - 137	32 - 41	214 - 274	3.460 x 2.700 x 1.850	15,5
HC 1400 / 550 x 1200	11	5/6	1	2/3/4/5	315 - 500	15/15	134 - 184	40 - 55	267 - 367	4.200 x 2.600 x 2.050	22,0
HC 1600 / 600 x 1000	11	5/6	1	3/4/5	400 - 500	18,5/18,5	150 - 194	45 - 58	300 - 387	4.400 x 2.700 x 2.350	30,0
HC x 1200	11	5/6	1	3/4/5	500 - 630	18,5/18,5	177 - 224	53 - 67	354 - 447	4.400 x 2.900 x 2.350	33,0
HC x 1500	11	5/6	1	3/4/5	500 - 800	18,5/18,5	224 - 277	67 - 83	447 - 554	4.400 x 3.200 x 2.350	37,0
HC 1800 / 750 x 1200	13	6/7	1	3/4/5	630 - 800	18,5/18,5	174 - 234	52 - 70	347 - 467	5.100 x 2.900 x 2.500	34,0
HC 2000 / 850 x 1200	15	7/8	1	3/4/5	800 - 1.250	22/22	277 - 334	83 - 100	554 - 667	5.700 x 3.400 x 2.720	60,0
HC x 1500	15	7/8	1	3/4/5	800 - 1.400	22/22	334 - 394	100 - 118	667 - 787	5.700 x 3.700 x 2.720	66,0
HC 2400 / 1000 x 1500	19	9/10	1	3/4/5	1.000 - 1.600	22/22	267 - 367	80 - 110	534 - 734	6.800 x 3.550 x 2.950	75,0

¹⁾ Net width of infeed; clear width of HC infeed wider by 20-50 mm depending on machine size.

²⁾ The application with vibration conveyor makes the the clearing roller unnecessary.

³⁾ The number of knives depends on the chip length, the rotor speed, the feeding speed.

⁴⁾ Average drum chipper performance measured in stacked m³/h and in t b.d./h referring to round wood with a wet density of 450 kg bd./m³, a 10% filling ratio of the infeed and a chip length of 40 mm.

⁵⁾ Chip volume flow referring to a bulk density of 150 kg/m³.

⁶⁾ Dimensions of complete machine without motor.

The layout of the chip discharge system should have a 30% security.

Depending on country-specific laws, sound protection and dust reduction systems might be necessary. These items are not included in the scope of delivery.

We will be pleased to advise you on the optimum design and dimensioning of your chipping plant with feeding and discharge systems.

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