

PALLMANN

TOP PERFORMANCE IN SIZE REDUCTION



Drum Chipper PHT

Wood Logs

Long / Short
Big / Small Diameter
Branches / Thinnings

**Sawmill Residues**

Slabs & Splinters
Log ends
Trimming pieces
Bark

**Veneer**

Peeler Cores
Trim Waste
Residues

**Waste Wood**

Urban Waste
Demolition Wood
Railway Sleepers

**Annual Plants**

Bamboo / Sugar Cane
Kenaf / Jute
Cotton Stalks
Palm Waste / Residues etc.



High quality chips from different infeed assortments

Your wood assortments will attain a considerable increase in value through conversion into high quality chips.

Pallmann Drum Chippers type PHT produce high quality chips from long and short logs, slabs, edgings, thinnings, veneer waste or board trims. Pulp mills, paper mills, fiber- and particleboard plants use wood chips to an ever increasing degree. Chips are easy to transport and convey. They can be stored without difficulties and allow precise metering into refiners and flakers. Chips are also well suited as fuel for high intensity burning in modern heating plants.

Reliable Feeding System

A belt or vibratory conveyor delivers the feed material to the chipper. A fast rotating cleaning roller, located between feeder belt and the adjoining lower feed roller, keeps short wood pieces from sticking and tearing at the feeder belt. If fines, sand etc. should be separated from the infeed material, a vibratory feeder with built-in screen section can be installed.

Vibratory feeders convey any type of raw material. When installing a vibratory feeder, the small cleaning roller is not needed.

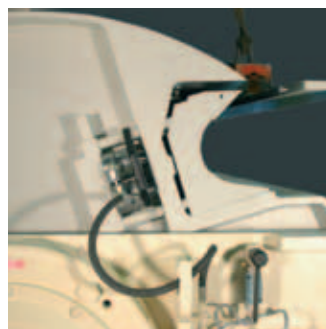
To protect the chipper against damage, the installation of a metal detection system is mandatory.

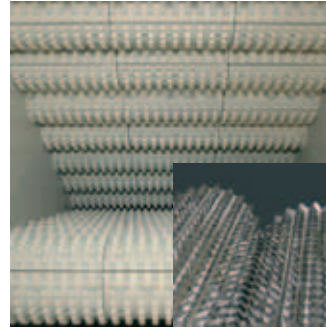
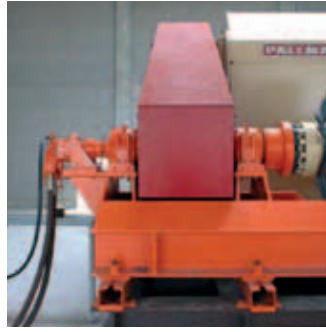
Large Feed Rollers

To obtain a quality chip with a uniform length the infeed material has to be held firmly and advanced at a constant speed. This is accomplished at the Pallmann chipper by the heavy duty rollers with their coarse and sure gripping serration. The feed roller system is self-cleaning due to the arrangement of the roller serrations. Special feed rollers with replaceable segments or spikes are available for extremely abrasive feed materials. These wear parts can be exchanged without the need of feed roller removal.

Rotor Design

The chipper rotor is of an extremely robust welded design. It is heat stress relieved and electro-dynamically balanced. Knife pockets will be armour-plated to reduce the extreme wear usually encountered when aggressive wood species, bamboo or similar materials, are being





processed. Exchangeable wear plates in special design built into the rotor pockets allow an additional protection.

Secure Knife Clamping And Change

Cutting knives and knife cover plates are bolted to the rotor with single rows of special bolts. To change knives the rotor has to be exposed by opening the housing cover. 90° opening allows easy and secure access. A special geared torque wrench allows effortless and proper tightening of the knife holding bolts. For quick knife change Pallmann Drum Chippers can be supplied with a wedge clamping system. A hydraulic system, push button operated, releases the centrifugal wedge for knife change. The knife setting is done in a setting jig outside of the machine. The stator knife is regrindable and bolted to a sturdy knife carriage which can be moved sideways.

High Quality Chips

Optimum chip quality is assured through the special feed system, the favourable chipper rotor configuration with its extra large chip pockets, the slanted cut and the enlarged screen area.

Production of high quality chips for the particle-board industry as well as for the MDF industry. On request delivery of special machines designed for different chip lengths is possible.

All Original Pallmann Drum Chippers are equipped with exchangeable wear plates in the chip pockets.

- Low operating costs
- High performance
- Trouble-free continuous operation
- Especially robust bearings



| Type | Infeed opening (mm) | Main drive (kW) | Rotor Ø (mm) | Number of rotor knives | Feed rollers number | Rollers Ø (mm) | Capacity* (t/h) | Weight (kg) |
|------------|---------------------|--------------------|--------------|------------------------|---------------------|----------------|------------------|--------------|
| PHT | 120 x 430 | 37 - 55 | 400 | 2/4 | 1+1 | 250 | 3 - 6 | 1200 |
| PHT | 240 x 860 | 132 - 200 | 800 | 2/4 | 2+2 | 318 | 17 - 23 | 6000 |
| PHT | 330 x 860 | 160 - 315 | 1000 | 2/3 | 3+3 | 318 | 24 - 30 | 9000 |
| PHT | 440 x 860 | 250 - 400 | 1200 | 2/3 | 4+4 | 318 | 32 - 43 | 12000 |
| PHT | 440 x 1050 | 250 - 400 | 1200 | 2/3 | 4+4 | 318 | 40 - 46 | 14000 |
| PHT | 520 x 1250 | 400 - 630 | 1400 | 2/3/4 | 5+5 | 318 | 43 - 59 | 22000 |
| PHT | 600 x 1250 | 500 - 710 | 1600 | 2/3/4 | 5+5 | 340 | 62 - 73 | 34000 |
| PHT | 720 x 1250 | 560 - 800 | 1800 | 3/5 | 6+6 | 340 | 74 - 88 | 46000 |
| PHT | 720 x 1450 | 630 - 900 | 1800 | 3/5 | 6+6 | 340 | 86 - 102 | 50000 |
| PHT | 850 x 1450 | 800 - 1120 | 2000 | 3/4/5 | 7+7 | 340 | 106 - 123 | 55000 |
| PHT | 1050 x 1650 | 1000 - 1600 | 2400 | 3/4/5 | 7+7 | 396 | 112 - 132 | 77000 |

*The capacity figures are based on 10% chipping square section use, chipping length 40mm, wood density 450 kg/m³ b.d.

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TOP PERFORMANCE IN SIZE REDUCTION

System solutions for:

- Flake production
- Fiber production
- OSB-production
- Recycling of waste wood
- Annual plants preparation
- Thermal usage

Engineering and Service:

- Design and Manufacturing
- Research and development
- Control Systems
- Process monitoring
- Spare and wear parts for size reduction machines in PALLMANN quality
- Installation, commissioning, maintenance and repair service
- Operator training
- Technological training
- Retrofit and modernisation
- Warehouse stocking programmes and logistic concepts



PROVEN QUALITY



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PALLMANN

PALLMANN is the leading manufacturer of size reduction machinery for the wood products industry. Pallmann Maschinenfabrik designs, manufactures and supplies tailor-made, individual or complete solutions for the processing of raw material for MDF, OSB and particleboard plants. At its headquarters in Zweibrücken, Pallmann company operates the world's largest research and development center for size reduction technology as well as a training and service center. More than 100 test machines are available for the preparation of various raw materials including subsequent laboratory analysis on individual scale. In co-operation with the Siempelkamp group, Pallmann has worldwide production facilities. Our global presence is ensured by a co-ordinated sales network for machinery as well as spare parts and after-sales service.

> Member of Siempelkamp Group

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