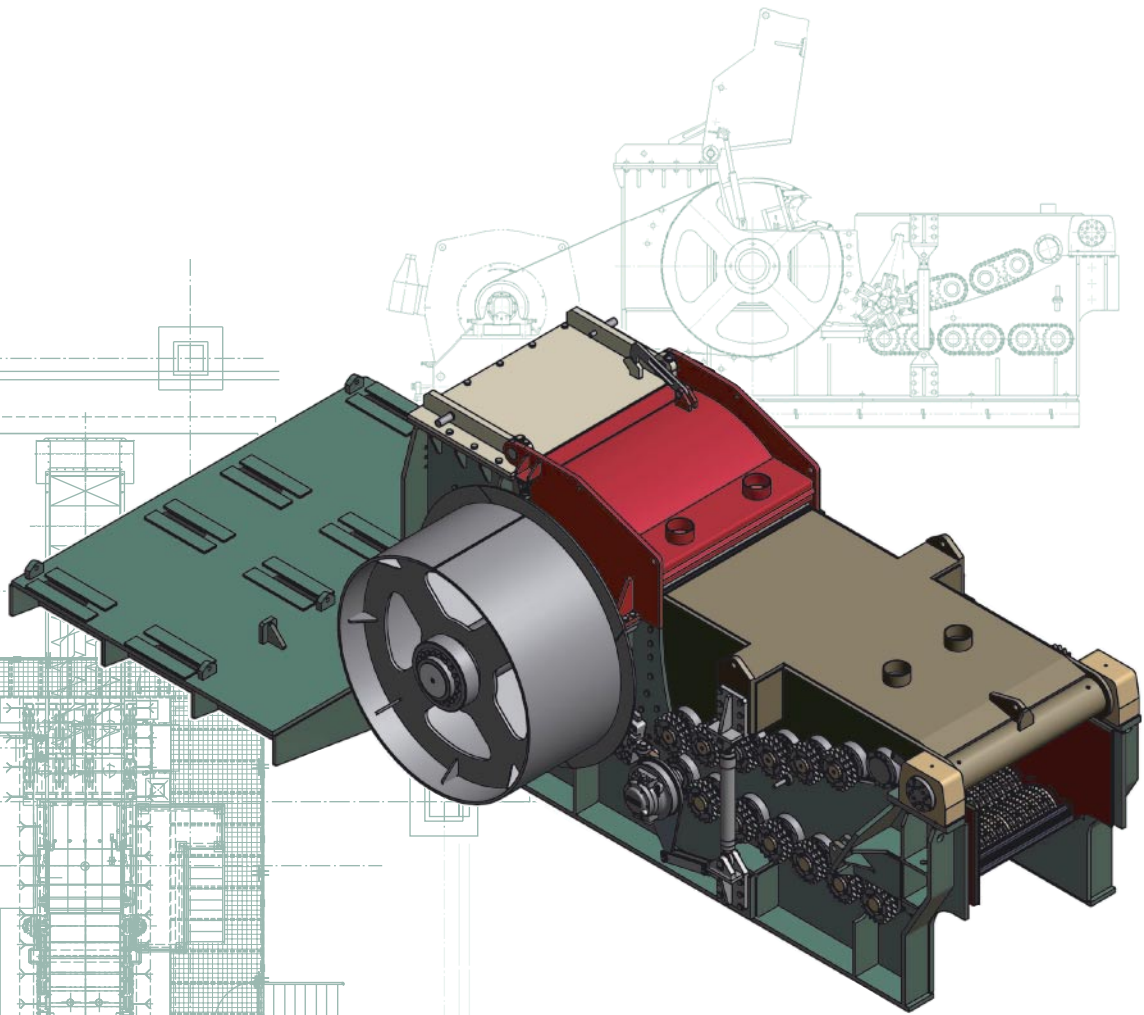


**LEONHARDT**  
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**Established technology –  
made to order**

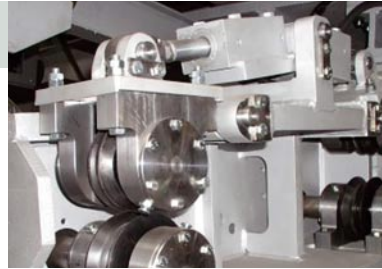


## **Leonhardt Drum Chipper LTH**

**Planable success in the  
wood processing sector**

# We also do wood.

To process it, we provide strong machines with established technology –  
As versatile and individual as the material itself.



Certificate No. 12 100 40010 TMS

## Deeply rooted, evenly grown: Leonhardt GmbH.

We are a medium-sized family business for the construction of machines, steel, containers and systems. Founded in 1984, we now have three plants on two sites, Losheim and Nunkirchen in the Saarland.

### **Well structured and widely ramified: our business activities.**

Since 2007 we have also been building

machines and systems for the wood industry. They are based on designs and patents developed by HFHN which we acquired and now offer exclusively. For our customers, this means wide-ranging expertise, substantiated specialist knowledge and many years of project experience in two sectors, all of this in one company. We also work with Holtec, a major provider of wood yards.

When implementing a project, we adapt to modern quality guidelines – and our own standards.

We have been certified according to ISO 9001:2008 since 2004

As the requirements of the wood industry change, we continuously develop our services, in order to meet current customer requirements.

## Flexible and up to every challenge: the drum chipper by Leonhardt.

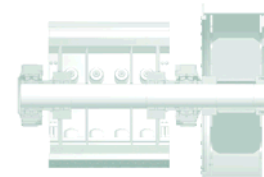
### **Versatile and very popular: woodchip.**

Demand for woodchip is increasing steadily, for use in the production of high-value wood building materials, as a renewable energy source, in the production of food or in gardening. For commercial use, woodchip must be of high quality, flexible and low-cost - and this is exactly what the Leonhardt drum chipper LTH was designed for.

### **Powerful and robust: drum chipper LTH.**

Developed for stationary use in industrial process chains, the Leonhardt drum chipper LTH converts logs with a diameter of up to 1,100 mm, and also processes off-cuts, slabs and splinters.

It proves its capacity in tough continuous operation with minimal idle and maintenance times.



The flexibility of the Leonhardt drum chipper is a major advantage: process integration and production parameters can be adjusted individually to suit customer requirements.



*More than just the sum of its parts:  
woodchip, as a material,  
is in strong demand*

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## Making sure it all runs smoothly: the rotor

The feed rolls in the housing and the rocker arm grip the material in a secure grip and feed it to the rotor, which is equipped with blades, at a constant speed. This prevents the material from rebounding.

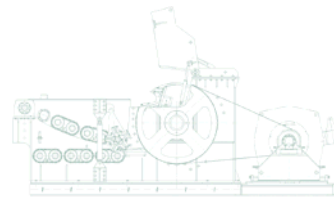
The cutting edge in the housing cuts the woodchips out of the front of the material. The aperture of the heavy sieve in the discharge unit defines the size of the woodchips.



Top: Five-blade centrifugal wedge rotor

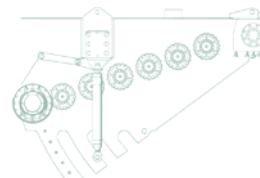
Bottom: The sieve inset installed in the discharge unit

The rotor drive is mostly uncoupled from the drum chipper.

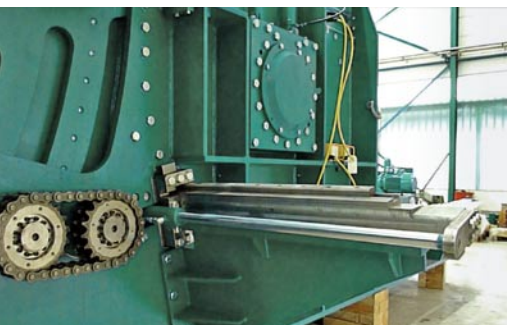


The entry, feeding and rotor speeds also determine the quality and size of the woodchips.

The rotor is driven by means of a pulley on the rotor shaft and a flat belt. The drive is positioned on a separate platform on the rotor housing, as is the hydraulic system for the entry rollers, axles, and auxiliary and maintenance functions.



## Maintenance and service-friendly: minimal idle times with the LTH.



The hydraulic pushing of the counter-blade speeds up blade replacement.

All moving parts are hydraulically supported and centrally controlled. The housing lid is opened by means of hydraulic cylinders, while hydraulic clamping cylinders make the replacement of the rotor blades faster and easier. The counter-blade on the anvil is also pushed laterally from the machine on a carriage by a hydraulic cylinder. The hydraulic drives of the entry rollers are directly clamped to the shaft ends of the front roller.



The wing is also damped and lifted by hydraulic cylinders.

Even the mostly automated and low-maintenance chain lubrication is performed by the hydraulic unit. All these easily accessible assemblies make the daily machine inspection easier. The sensor system makes monitoring and controlling the machine convenient and easy.



Easily accessible: the wing of the drum chipper in maintenance position



## Quality and cost conscious: our customer service

We really do it: we listen to you. And tailor our products to match your requirements, not the other way around. We can adjust every machine or system to suit your individual requirements, even beyond production

and design. We advise you on planning your machine and work closely with you to develop tailored solutions.

Upon request we also provide an individual revision and assembly service.

Would you like to know more?  
Then contact us.

**Your contact person:**  
**Mr Marcus Weber**

Tel.: + 49 (0) 68 74 - 18 69 98 - 16  
E-Mail: marcus.weber@leonhardt-gmbh.eu



*Drum chipper LTH 2000 with entry roller in spike version*



**LEONHARDT**  
GmbH

Headquarters  
Saarbrücker Straße 224  
66679 Losheim am See

Plant 2  
Im Schachen 309  
66687 Nunkirchen

Plant 3  
Kleinbahnstraße 20  
66687 Nunkirchen

Tel.: + 49 (0) 68 72-90 182 - 11  
Fax: + 49 (0) 68 72-90 182 - 12

E-Mail: [info@leonhardt-gmbh.net](mailto:info@leonhardt-gmbh.net)  
Web: [www.leonhardt-gmbh.de](http://www.leonhardt-gmbh.de)

## Technical data

### Leonhardt drum chipper LTH

Type designation:	LTH 1200	LTH 1600	LTH 2000	LTH 2700
Infeed width in mm:	870 - 1250	870 - 1250	1250 - 1650	1250 - 1650
Infeed height:	400	520 - 680	720 - 900	900 - 1100
Rotor Ø in mm	1200	1600	2000	2700
Number of blades:	3 - 4	3 - 5	3 - 6	3 - 6
Entry rollers:	4	5	6 - 7	7
Entry roller Ø in mm:	312	400	400	400
Performance ( t [bd] / h ):	30 - 50	40 - 75	80 - 140	100 - 150

*The descriptions refer to standard versions.  
Changes/variations are possible upon customer request.*