

**LINDNER**



**ATLAS 5500 SY  
STATIONARY PRIMARY SHREDDING**

**CHOPS WOOD  
TO PERFECTION.**

ONLY LINDNER CLIENTS CAN TRULY SAY:

# EXTRACTS EVERY LAST PARTICLE.

## WOOD SHREDDING TO THE MAX: SOPHISTICATED ENGINEERING MEETS MAXIMUM EFFICIENCY

With its powerful electric belt drive and highly specialised cutting tools, Lindner's twin-shaft primary shredder Atlas 5500 SY can turn any wood no matter the size into material that is perfectly prepared for subsequent processes, incineration or the material recycling of waste wood. Built for tough applications and equipped with the new FX fast exchange system, this shredder provides maximum uptimes and can be relied on to keep the line going. And it achieves all that with minimal operating costs, astonishing throughputs and full flexibility.



### 1. HIGHLY EFFICIENT ELECTRIC BELT DRIVE

**Robust, stable** belt drive with planetary gearbox and synchronous stage.

**Maximum potential** with up to 40% higher efficiency compared to conventional drives.

**Ultimate reliability** with particularly durable components.

**Virtually maintenance-free** due to dirt-repellent pressure ventilation.



### 2. CONTROL & OPERATION

**Intuitive menu navigation** with software functions automatically opening and closing depending on the task at hand.

**High availability** thanks to fast troubleshooting with smart solution-finding and integrated FAQ database.

**Super simple operation** of all shredder functions via remote control.

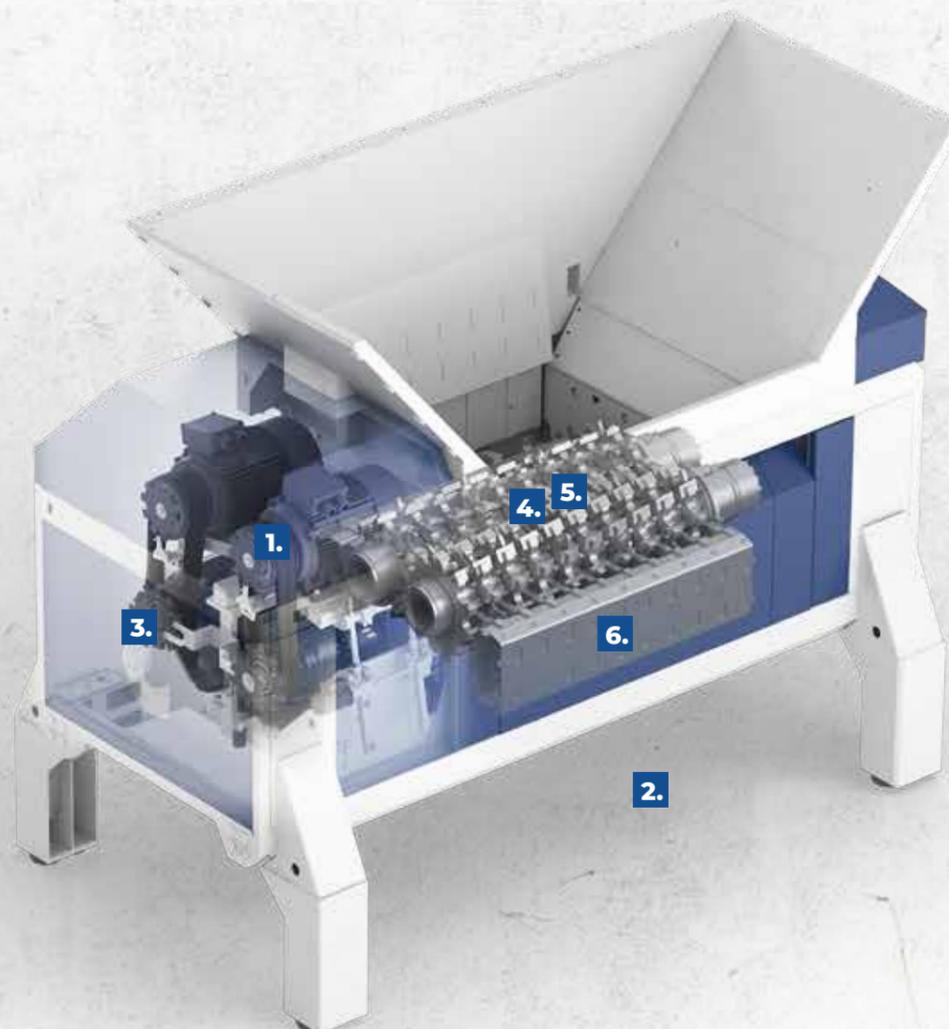


### 3. TORQUE-LIMITING SAFETY CLUTCH

**Optimum drive protection** thanks to the drive unit's instant mechanical disengagement.

**Flexible adjustability** to the input material.

**Secure power down** with our tried-and-tested sensors.



### 4. SYNCHRON FINE (SF) CUTTING SYSTEM

**Homogeneous output** for subsequent process steps thanks to Lindner's patented SF shaft design.

**Low fine particle content** of less than 5% thanks to combined cutting and crushing action.

**High output** due to the cutting system's aggressive intake.



### 5. SYNCHRON ROUGH (SR) CUTTING SYSTEM

**Optimum productivity** thanks to the cutting system's special geometry ideal for rough primary shredding for higher output and less fines.

**Resistant to solid foreign objects** such as iron mountings, screws, etc.

**Maximum uptime** due to the cutting unit's robust design.



### 6. FX FAST EXCHANGE SYSTEM & MAINTENANCE

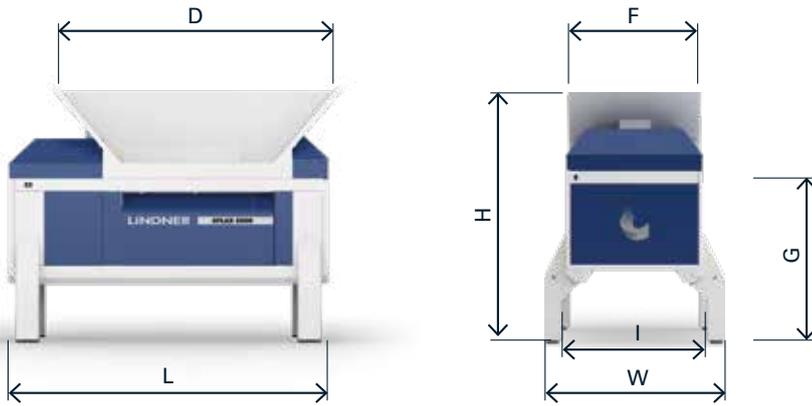
**High availability** thanks to the FX (Fast Exchange) system for exchanging the entire cutting unit for maintenance purposes.

**Full flexibility** to adjust to the desired output material due to quickly exchangeable shaft configurations.

**Easy removal of non-shreddables** thanks to generous access to the cutting chamber.



# TECHNICAL DATA



## ATLAS 5500 SY

### DIMENSIONS\*

Measure (LxWxH)	mm	6500 x 3440 x 5007
Hopper opening (DxF)	mm	5471 x 2280
Feeding height (G)	mm	3210
Hopper capacity	m <sup>3</sup>	18
Outlet width (I)	mm	1560
Total weight	kg	38900

### CUTTING UNIT\*

Length	mm	2 x 2380
Speed	min <sup>-1</sup>	18
Standard tool		Synchronous 2-shaft cutting unit SF 10.10 / SR 8.10

### DRIVE UNIT\*

Motor	kW	2 x 160
Power control		frequency converter

\*The stated values refer to standard machine versions with a standard hopper (large) and raised feet.



Water sprinkling system



Fire extinguishing system  
with spark detection



Fire prevention system



Machine information  
system

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