



**Tough, superior performance,**  
 innovative concept.  
 And straight away accurate,  
 comfortable and safe to operate.

Whoever sees the shredder as a production facility which must earn its money by itself and yield profit, is also aware of the specific requirements:

- ||||| Robust and time-tested technology for reliable and trouble-free functioning.
- ||||| Easy and self-explanatory operation.
- ||||| Intelligent control.
- ||||| Time-saving design for quick service and easy maintenance.
- ||||| Mobility and safety.

Neuson Ecotec has many years of experience and a lot of know-how in producing efficient special-purpose machines which optimize the working processes and thus make a lot of difference. Neuson Ecotec can offer one thing above all: complete professionalism. Right from consultation regarding the individual configuration up to service and conservation of value.

**Environmental and forestry machines**  
 for harvesting, composting, recycling  
 and waste management in an efficient form.

Mechanical engineering with quality, performance and innovation for a sustainable use of raw materials, value and waste of all kinds ... This is the Neuson Ecotec mission. Principles that are consistently implemented for the benefit of customers in each machine:

- ||||| Stable, sturdy and yet movable design.
- ||||| Innovative hydraulic system and intelligent control.
- ||||| Ease of use and high security.
- ||||| Individual configurations for flexible deployment profiles.

Neuson Ecotec is a specialist in environmental equipment, from which man and the environment benefit alike. Already today, and with certainty also tomorrow.

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Waste wood and green waste shredders  
**SD 1600 A / SD 1600 XL**

The environmental machines.





The most sturdy tools of its class.  
Real one-man operation, intelligent electronics and material autopilot.  
This is the future.

To shred is to produce:  
Reliability matters. Efficiency wins.  
The best (capital) investment.

**Shredding without destroying and making a new quality material from it.**  
Whether it is green waste, waste wood or industrial wood or any another material which is suitable for quick shredding: Complete utilisation without material loss is always the best outcome for man and environment.

**Neuson Ecotec factors:**

- ||||| Time-tested CAN bus control, in series with remote control including monitor, traction drive and rotary fan
- ||||| Uncompromising operating efficiency in output and performance
- ||||| 3.4 m<sup>2</sup> screening area with different hole dimensions available; separate discharge conveyor belt below the chopping space
- ||||| 3-axis saddle support with air suspension (only for model 1600 XL)
- ||||| 28 hard metal flail which can be easily interchanged



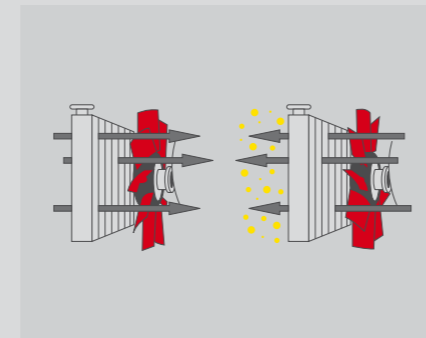
**Serial CAN bus control for everything at a glance:**  
For better process control from the cabin and for quick response options.



**High-resolution display:**  
Remote control with visual information on the monitor; for more comfort and security.



**The chassis which can be lifted at the press of a button:**  
Easy accessibility of the machine for extremely short hauls.



**Highly efficient rotary fan:**  
A reliable overheating control which is also extremely efficient.



**Attractive options for individual designs:**  
Long conveyor belts; Magnet above the conveyor belt for sorting out metal; central lubrication system.



**1600 XL-Version:**  
With saddle chassis for easy road transport and with long feed chamber for maximum loading capacity.

Technical Data

|   | SD 1600 A                                      | SD 1600 XL                  |
|---|--|-----------------------------|
| <b>Main Data</b>  |  |                             |
| Concept   | Robust and strong shredder                     |                             |
| Weight  | 24000 kg                                       | 27,420 kg                   |
| Max axle load   | -  | 27,000 kg                   |
| Width x length x height   | 2550 x 10030 x 3850 mm                         | 2550 x 10800 x 3850 mm      |
| Feed width  | 1,450 mm                                       | 1,450 mm                    |
| Front and back wheels   | 385 / 55 R 22.5 / 385 / 65 R 22.5              | 385 / 65 R 22.5             |
| <b>Application area</b>   |  |                             |
| Suitable for  | shredding waste wood from industries and parks |                             |
| <b>Performance</b>  |  |                             |
| Max. capacity of shredded material  | up to 300 m <sup>3</sup> /h                    | up to 300 m <sup>3</sup> /h |
| <b>Engine data</b>  |  |                             |
| Engine  | John Deere 6135HF485                           | John Deere 6135HF485        |
| Performance   | 600 HP / 448 kW                                | 600 HP / 448 kW             |
| Diesel tank   | 450 l  | 800 l                       |
| Electric system   | 24 Volt  | 24 Volt                     |
| <b>Hydraulic system</b>   |  |                             |
| Oil tank capacity tank 1 / tank 2   | 185 l / 50 l                                   | 185 l / 50 l                |
| Load sensing pump for infeed  | 60 ccm   | 60 ccm                      |
| Axial piston pump for cooler  | 28 ccm   | 28 ccm                      |
| 3-gear pump for additional functions  | 26+6+6 ccm                                     | 26+6+6 ccm                  |
| Hydraulic fan drive with reverse function   |  |                             |
| Hydraulic control motor for infeed rolls  |  |                             |
| <b>Flail</b>  |  |                             |
| Number of flails / unit weight  | 28 / 16 kg                                     | 28 / 16 kg                  |
| Flail bar rotations   | 1260 rpm                                       | 1260 rpm                    |
| Drive with fill-controlled turbo coupling and two 4-fold belts  |  |                             |
| With hydraulic belt tension   |  |                             |
| <b>Feed chamber</b>   |  |                             |
| Length x width x depth  | 3500 x 1540 x 850 mm                           | 5500 x 1540 x 850 mm        |
| Load intake height  | 2,550 mm                                       | 2,550 mm                    |
| Load intake length / width  | 5,000 mm / 1,960 mm                            | 6,500 mm / 1,960 mm         |
| <b>Rear conveyor belt</b>   |  |                             |
| Length  | 7000 mm or 9000 mm                             | 7000 mm or 9000 mm          |
| Belt width  | 1,400 mm                                       | 1,400 mm                    |
| Max. unloading height (Belt 7-m length)   | 4,150 mm                                       | 4,150 mm                    |
| Max. unloading height (Belt 9-m length)   | 4,800 mm                                       | 4,800 mm                    |
| <b>Options</b>  |  |                             |
| Extension belt feed chamber 700 mm, usable on both sides   Magnet over the belt for sorting out metal   Central lubrication   Bio hydraulic oil   Fire extinguishing system |  |                             |