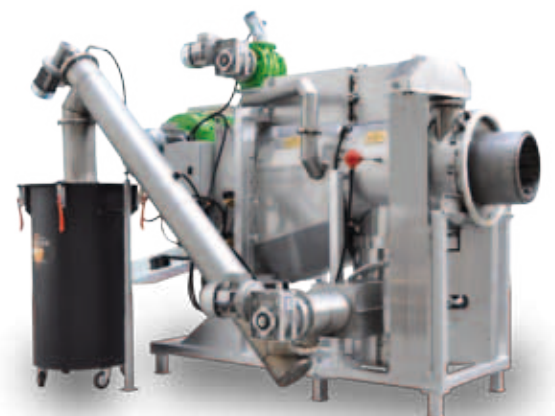




Next-generation Biomass Technology

LD burner with ash extraction system

For large installations



1000 kW

Wood pellet burner for large installations

SPL Biomass Active LD

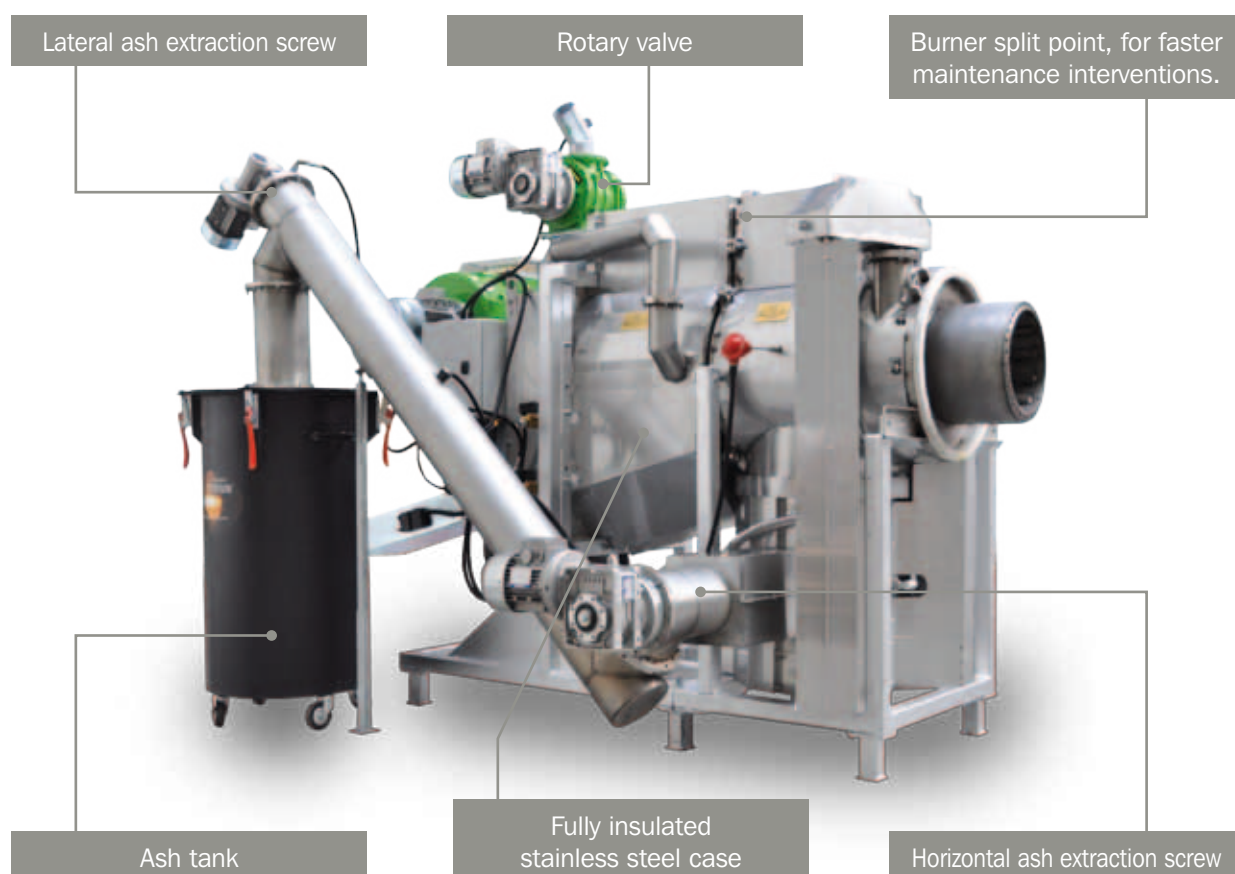
With a normal pellet burner, the ash is collected at the bottom of the combustion chamber, in the furnace. Frequent cleaning or addition of an automatic ash extraction system is therefore necessary to keep the furnace clean. The LD burner has an innovative design that prevents the ash from entering the combustion chamber. The ash is removed from the burner through a combination of mechanical and pneumatic cleaning, and then concentrated in two external tanks: one placed underneath the burner and one placed at the site of the burner. The burner can be installed on boilers not originally designed for pellet and therefore not equipped with an ash extraction system. The application of a dust filtration system is required.



Model	Power	
	Min	Max kW
LD 1000	500	1000

The burner is equipped with **5 cleaning systems**.

- A mechanical system for the gasification grill;
- A double pneumatic system which keeps the gasification grill clean through blasts of compressed air;
- An ash extraction system placed below the gasification grill;
- An ash extraction system to capture, collect and move the ash into a lateral external tank.





Advantages of the LD burner

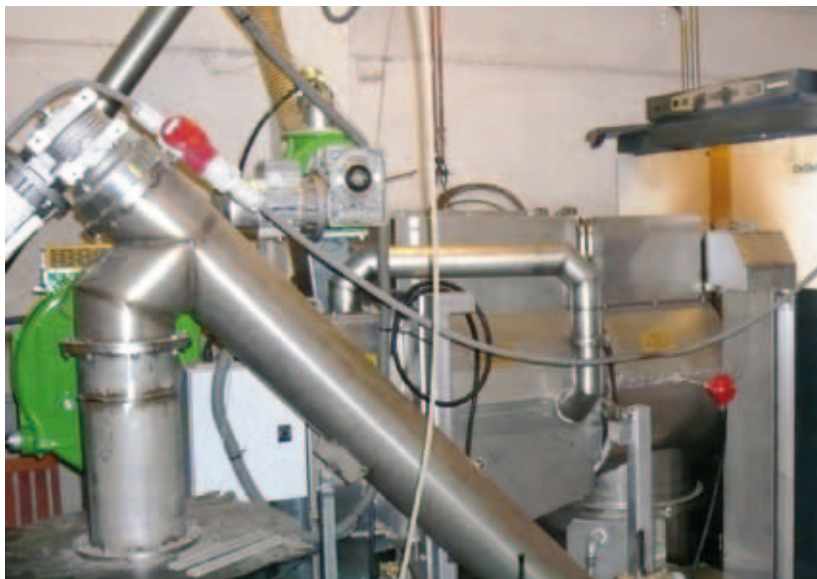
Wood pellet

- Can be installed on boilers not equipped with an extraction system;
- Moderate footprint which allows its installation in locations that would not otherwise have enough space for a boiler with an automated ash extraction system;
- Reduction of the cleaning frequency;
- Efficient and high-performing combustion;
- Equipped with an advanced cleaning system;
- Equipped with extraction system that prevents ash from collecting in the combustion chamber;
- Repurposing of existing installations originally designed for traditional fuels.

LD 1000



SPL Biomass Active LD



LD1000 General heating of building complexes



LD1000 Applied on steam boiler



LD1000 Greenhouse heating



LD1000 Applied on steam boiler

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