



SALMATEC



COMPACT PELLETIZING UNIT

CONTENTS

P. 3	OUR COMPACT PELLETIZING UNIT
P. 4	OVERVIEW
P. 5	TECHNOLOGY AND INNOVATION
P. 6	WOOD RAW MATERIALS
P. 7	WHO IS IT FOR?
P. 8	OPTIONS
P. 9	SERVICE AND ADVANTAGES
P. 10-15	REFERENCES

OUR COMPACT PELLETIZING UNIT



OVERVIEW

The SALMATEC Compact Pelletizing Unit is a space-saving modular system for the production of premium pellets from softwood and hardwood.

It is available in various capacities for indoor use and is designed to be delivered pre-assembled and installed on-site in just a few days.

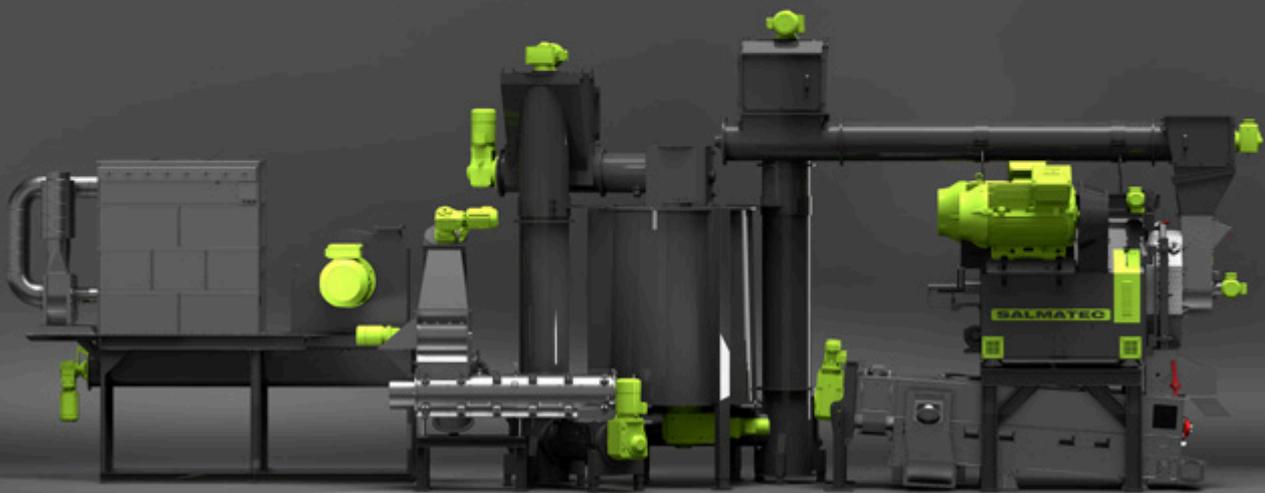
The individual components are optimally coordinated so that conveying volumes, dwell times, and water and starch additions can be precisely controlled.

The ensures pellet quality of the highest standard.

A Siemens S7 control system with visualization and remote access ensures fully automatic, low-personnel, and reliable plant control in continuous operation.

The system is supplemented by an integrated spark detection and extinguishing system, which ensures maximum operational safety.

TECHNOLOGY & INNOVATION



The robust design ensures reliable operation for many years. The innovative screening cooler is particularly noteworthy.

Immediately after pelletizing, it simultaneously performs the functions of screening, cooling, and dust removal. This gently brings the sensitive pellets to the optimum temperature and final moisture content. The result is premium pellets of consistent quality, produced with low energy consumption and high material throughput.

WOOD RAW MATERIALS

Our Compact Pelletizing Units are versatile and can process a wide range of wood raw materials. Whether sawdust, wood shavings, wood chips from hardwood and softwood, A1 and A2 waste wood, or wood residues from the woodworking industry, all materials can be used reliably and efficiently. This ensures a consistently high pellet quality.



WHO IS IT FOR?

The Compact Pelletizing Units are designed for indoor installation and require a frost-free location. They are ideal for sawmills, planning mills, and other wood processing companies that want to make economical use of their by-products. Companies with waste wood also benefit from this solution.

Waste wood processors can utilize this system to make use of class A1 and A2 material.

Each component is easily accessible for maintenance work and meets the highest quality and safety requirements. The systems are also suitable for hardwood as well mixtures of hardwood and softwood.

CAPACITIES

Press Type	Drive Power	Die-Ø	Working Width	Capacity
MAXIMA 450	90 KW	450 mm	60 mm 78 mm 100 mm	<1 t/h
MAXIMA 500	110 KW 150 KW	500 mm	60 mm 78 mm 100 mm	1-1,5 t/h
MAXIMA 700	220 KW 264 KW	700 mm	78 mm 100 mm	2-3,5 t/h
MAXIMA 840	264 KW 320 KW	840 mm	90 mm 100 mm 125 mm	4-5,5 t/h
MAXIMA 900	400 KW 500 KW	900 mm	100 mm 125 mm	6-7 t/h

Our proven Compact Pelletizing Units are available in various capacity levels and can therefore be tailored precisely to individual requirements.

They range from 500 kg per hour for smaller businesses to 7 t per hour for large-scale industrial applications.

OPTIONS

The Compact Pelletizing Unit can be flexibly adapted and expanded. Filter systems with dust recirculation increase efficiency while reducing emissions. Buffer containers for raw materials and pellets ensure smooth and continuous processes. Truck loading stations and automatic bagging systems are available for direct further processing.

Even wet materials can be processed without any problems if shredding and drying systems are added. This modular concept results in systems that can be adapted precisely to the respective requirements, from raw material processing to loading.



SERVICE AND BENEFITS

Our responsibility does not end with commissioning. We support our customers with a comprehensive service package that ensures long-term safety and high availability. This includes professional installation and commissioning on-site, thorough instruction and training of operating personnel, and rapid support through remote maintenance and spare parts supply. Regular maintenance ensures that operations run smoothly at all times. This is how we guarantee longevity and reliability every day.



Our systems are pre-assembled, quick to install, and ready for use in no time. They offer integrated safety solutions that ensure maximum protection. The fully automatic control system with Siemens technology and remote access enables efficient operation with minimal personnel requirements. The output ranges from small operations to large industrial applications. Modular extensions allow the systems to be optimally supplemented at any time. With a Compact Pelletizing Unit, you are investing in an efficient, safe, and sustainable solution for pellet production.

COMPACT PELLETIZING UNIT 450 CANJAÈRE

The French wood processor Canjaère has been operating a small pelletizing plant from SALMATEC since October 2024. The Compact Pelletizing Unit 450 is a space-efficient pelleting module built in our assembly plant in Germany. In addition to its compact layout and high-quality individual components, the system also impresses with its short assembly time.





The French small business now produces around one ton of wood pellets per hour from various types of softwood. This fuel is sold locally and regionally to power pellet heating systems and fireplaces.

One of Romania's largest beech wood processors relies on pelletizing technology from SALMATEC. The company processes locally sourced beech wood from surrounding forests in a modern sawmill, whose high-quality finished products are mainly exported to Asia.

To make optimal use of the resulting residues, production was expanded to include a Compact Pelletizing Unit with a MAXIMA 700 pellet mill.



COMPACT PELLETIZING UNIT 700 MOLIDUL

This space-saving system combines maximum efficiency with proven SALMATEC technology and ensures consistent and economical operation.

The wood residues are turned into high-quality beech wood pellets, which are packed in 15-kg bags and mainly delivered to Italy. This allows the customers to close the loop between regional raw material procurement and international distribution in an ideal way.

As with all SALMATEC systems, precision, quality, and durability are key. The result is a premium product in high demand internationally, made from regional wood.

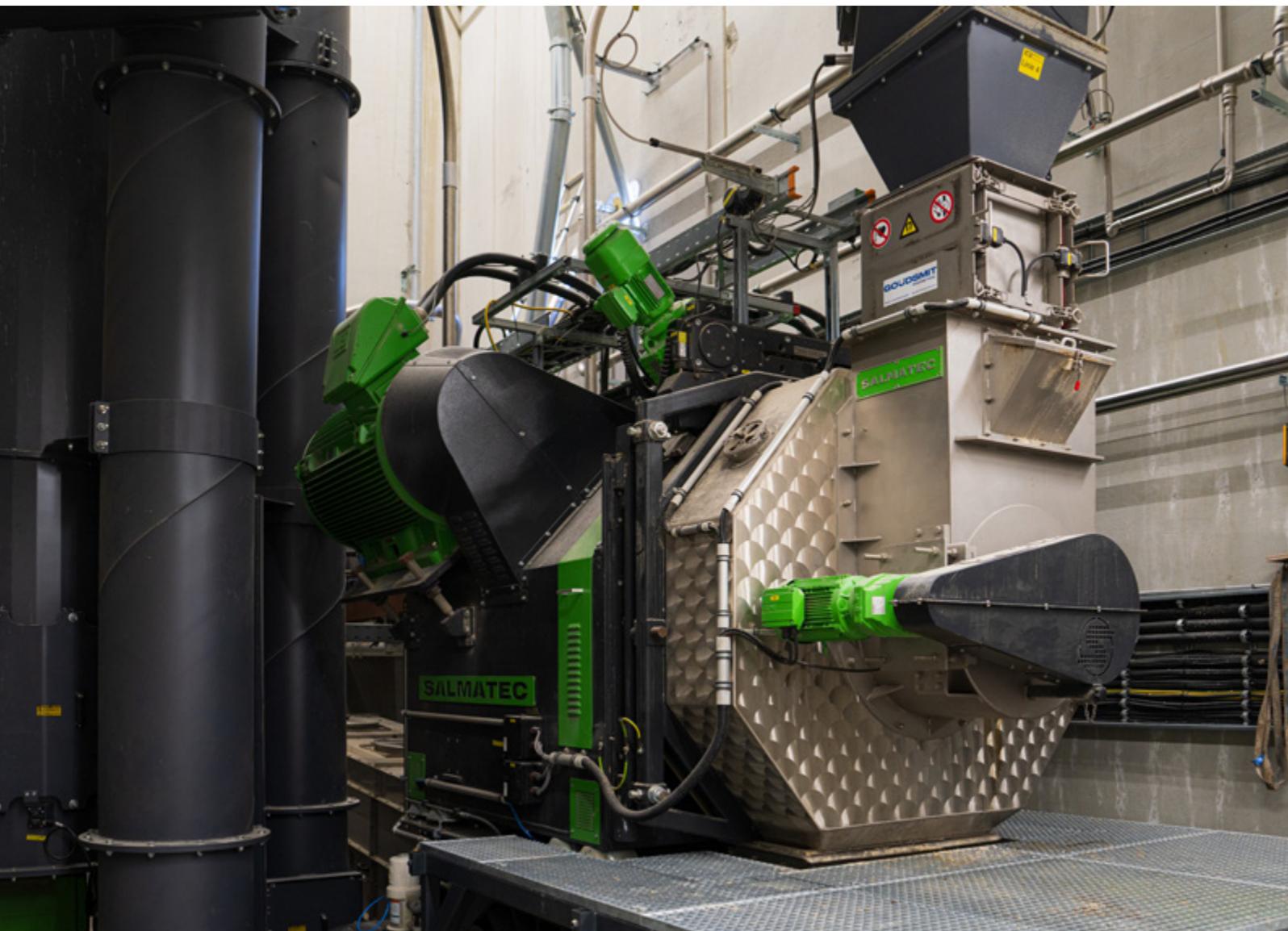


COMPACT PELLETIZING UNIT 900

JOSEF ZIEGLER

The Josef Ziegler sawmill and planning mill has been operating a modern pelletizing plant from SALMATEC since summer 2024. The plant was implemented as a complete solution and, in addition to the MAXIMA 900 pellet mill, also includes the entire material preparation, conveyor technology, and silo planning. Thanks to its compact design and precisely coordinated components, the plant impresses with its high efficiency and operational reliability.

It produces high-quality wood pellets in accordance with the EN plus A1 standard, which are used both for its own gasifier needs and for regional distribution. The flexible plant concept enables electricity price-optimized operation for economical and sustainable production.





As with all SALMATEC systems, state-of-the-art technologies are used here too. The new MaxiMill structural mill ensures a particularly homogeneous output material while reducing power consumption.

With this system, Josef Ziegler demonstrates how innovation and efficiency go hand in hand and how experience, technology, and precision can create a sustainable location.



SALMATEC GmbH
Hauptstraße 79
21376 Gödenstorf