



MANUFACTURERS OF HIGH QUALITY MACHINERY FOR PROCESSING **MEDICINAL PLANTS**



Conveying

We offer a choice of conveying systems to transport your product through the processing facility. These would be integrated into each item of processing machinery.



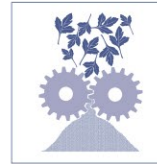
Chopping and Shredding

Plant Choppers and Shredders cut fresh plants and material precisely down to size. They have the capability to process leaf, stem and root.



Washing

Our specialist washing equipment is capable of washing a variety of leaf, stem and root material prior to further processing and packaging. These come complete with air knife drying to reduce water take-up. Water treatment and recycling systems to reduce overall water consumption can be incorporated as standard.



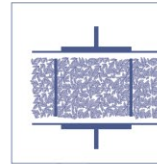
Grinding and Milling

Specialist grinding and milling systems ensure optimum particle size distribution (PSD). Hammermills, plate mills and other specialist mill types are available, depending upon the type of plant material to be milled.



Drying

With unparalleled versatility and a bespoke design, our driers (both conveyor and rotary types) are uniquely capable of drying almost any plant or material. With low profile, noise and temperature but high efficiency, quality and satisfaction, our driers offer proven results.



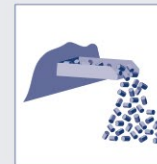
Baling and Packing Systems

Complete packaging systems are available for bagging and baling, enabling safe storage and easy distribution. Weighing, metal detection and palletisation facilities can also be provided if required.



De-Stalking and Grading

Our leaf and stem separation systems handle pre-cut, dried plants to gently remove the leaf from the stalk without damaging the leaf itself. Incorporated into these systems are grading systems to grade the product into various product sizes, classifications and quality standards for different product sectors. These systems ensure that maximum high value output is obtained from the processing facility.



Pelleting

Complete pelleting systems are offered to allow for simple densification of products or for processing through steam distillation, solvent or CO2 extraction. A full range of pellet sizes are available.



Process Control Systems

Full process control systems can be provided. These ensure relevant compliance, traceability, consistency, inspection and reliability of product. Automatic data recording and operator input data can be tailored as required and applied as part of the process management system, giving both local and remote monitoring and control.

Delivering Tailor-Made Solutions

Utilising over 60 years of experience, our specialist Industrial Sales team work with you to identify the best solution for your project. Our expert Industrial Process Engineering team work alongside them to design and build industry-leading machinery suitable for processing your medicinal and aromatic plants from laboratory scale pilot plants through to full scale production.

Providing Unparalleled Quality

Our machines and systems are designed and manufactured in the UK to the highest standards, meeting the exacting standards of the pharmaceutical industry. All product systems are designed and manufactured to ensure that the processing company can comply with their own HACCP system and to CGMP, or be in accordance with other relevant food and pharmaceutical standards. Full compliance with relevant health and safety (BS, EN ASME, ISO etc), ATEX and emission standards are assured.

Ensuring Best Value

We believe that you should always get the best value for your investment and, therefore, our machines are uniquely versatile and highly efficient with the ability to cope with most plant types including: medicinal cannabis, sage, yew, tarragon, mint, thyme, hemp, teas, seaweeds - and many more! Designed to optimise fuel consumption, electrical usage and heat transfer, we give you flexibility whilst keeping capital and operating costs down in the long term.



Conveyor Drier



Brushing Machine



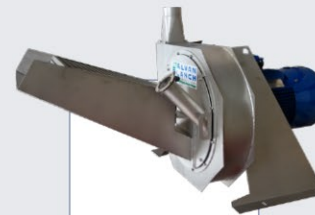
Plant Chopper



Rotary Drier



Drying Chamber



Hammermill



Pneumatic Leaf Separator



Serving World Agribusiness over 100 Markets in 6 Continents

Our experts are on hand to provide ongoing support, advice and guidance for your processing equipment. We also offer consultancy, training and ongoing maintenance programmes ensuring full product support for your new equipment.

If you would like to know more about how we can help you to create the optimal plant processing system in complete confidence please contact our

Industrial Process Engineering team at: info@alvanblanch.co.uk

Alternatively you can call on: +44 1666 577 333



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