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innovative process technologies

PROVEN EXPERTISE



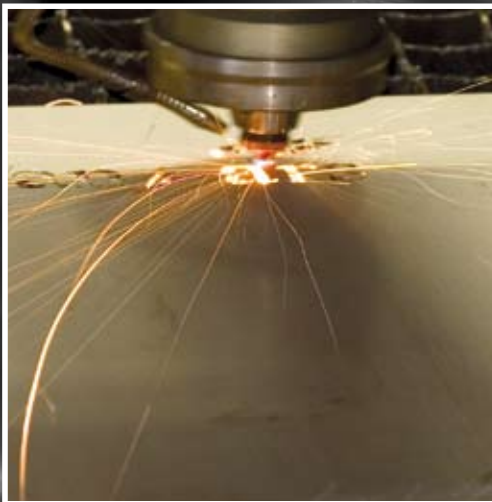
INVENTIVE SOLUTIONS

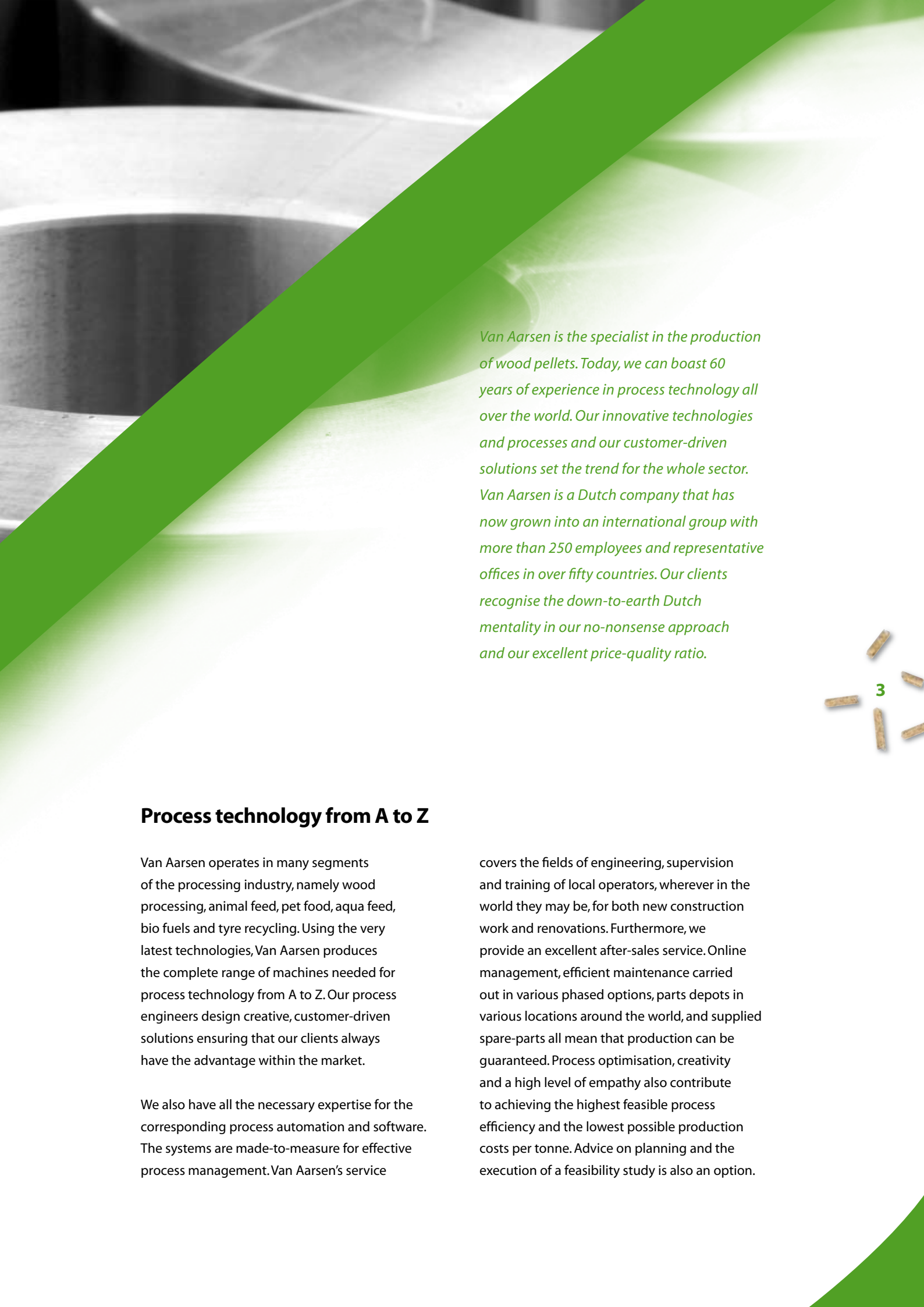
VanAarsen
WOOD PROCESSING

innovative process technologies



Innovative, flexible process technology





Van Aarsen is the specialist in the production of wood pellets. Today, we can boast 60 years of experience in process technology all over the world. Our innovative technologies and processes and our customer-driven solutions set the trend for the whole sector. Van Aarsen is a Dutch company that has now grown into an international group with more than 250 employees and representative offices in over fifty countries. Our clients recognise the down-to-earth Dutch mentality in our no-nonsense approach and our excellent price-quality ratio.

Process technology from A to Z

Van Aarsen operates in many segments of the processing industry, namely wood processing, animal feed, pet food, aqua feed, bio fuels and tyre recycling. Using the very latest technologies, Van Aarsen produces the complete range of machines needed for process technology from A to Z. Our process engineers design creative, customer-driven solutions ensuring that our clients always have the advantage within the market.

We also have all the necessary expertise for the corresponding process automation and software. The systems are made-to-measure for effective process management. Van Aarsen's service

covers the fields of engineering, supervision and training of local operators, wherever in the world they may be, for both new construction work and renovations. Furthermore, we provide an excellent after-sales service. Online management, efficient maintenance carried out in various phased options, parts depots in various locations around the world, and supplied spare-parts all mean that production can be guaranteed. Process optimisation, creativity and a high level of empathy also contribute to achieving the highest feasible process efficiency and the lowest possible production costs per tonne. Advice on planning and the execution of a feasibility study is also an option.

Van Aarsen develops, designs and produces innovative machines, and has a flexible and creative approach to processes. Van Aarsen is a technical trend-setter thanks to extensive experience in the field, and their work complies with the strict European standards. Van Aarsen offers an extensive global service and an excellent price-quality ratio.



Many years of experience, worldwide expertise.

Knowledge Centre: inventive and innovative

The focal point in both the hardware and the software lies in the highest possible level of technical quality, tailored to the demands of the market. The developers of our Research & Product Development department anticipate and readily respond to specific questions and applications. Van Aarsen therefore profiles itself as a Knowledge Centre, within which the interaction between the client and the supplier is used to develop optimum products and tailored solutions. Innovations are designed, tested and implemented right down to the smallest details.

We are constantly working on inventive improvements in order to make processes even more efficient and even cleaner, safer and more profitable. All of this takes place in line with the strict European directives.

Flexibility

The dynamics of today's global market demand far-reaching flexibility. Van Aarsen is well known for its fast responses. Short lines of communication ensure that clients receive answers to their questions quickly.

We supply turnkey factories, complete processing lines and of course machines that can be fitted into existing processing lines, or additions to these lines. Moreover, Van Aarsen is the ideal partner for the renovation of processing lines or factories. Van Aarsen elements fit together seamlessly, but can also be very easily applied in projects run in collaboration with other suppliers or partners.



We always work on the basis of the principle of the right machine for the right product in the right place. In this regard, we take into account the local conditions, anticipating the local market situation and thinking in terms of the bigger picture. Our operationally-efficient solutions ensure more variation options and therefore also more successful business dealings.



Such a specific product like wood requires an innovative approach. Van Aarsen's machines have been specially developed for processing wood chips, shavings and sawdust in a process of drying, grinding and pelleting. This pellet production can be perfectly tailored to the end use: the generation of sustainable energy in a CO₂-neutral manner. The hammer mills and pellet mills are the high-quality result of our wealth of experience, including ten years of experience in wood processing. In combination with the corresponding infrastructure, we offer the best solution in this segment of the wood processing industry.

The right machine in the right place



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Process engineering in top form

We continually receive important feedback thanks to years of intensive contact with process specialists from all over the world. The setting up of a profitable process configuration requires a combination of know-how in engineering and a great deal of expertise in every phase of the process. This means that Van Aarsen has the best solution for every element of the process.

Cleaning – clean input, better output

The cleaning of raw materials ensures a problem-free total process and a high-quality semi-finished or end product.

Storage silos – storage capacity thanks to perfect silo design

Storage plays an important role in every batch process. Whether you need strategic storage capacity, dosage silos or finished-product silos, we have the perfect silo for your product.

Transport – from a to b

Van Aarsen has economical and efficient solutions for low-contamination horizontal or vertical transportation of semi-finished or finished products within the factory.

Grinding - the desired particle size and bandwidth

We are trendsetters in this field, thanks to our decades of experience. Whatever the product, Van Aarsen always bears in mind the desired end result.

Steam mixing – improvement of pellet formation

Heating, moisture, steam and time are all used to bring about the desired physiological or chemical change. The lignine that is released as a result can then serve as a binding agent in the pelleting process.



Pelleting – for every desired quality and capacity

Pelleting is a complex process. We therefore supply a wide range of compact, user-friendly pelleting machines, guaranteeing exactly the desired pellet quality.

The Van Aarsen machines are produced in the Netherlands, guaranteeing reliability and good quality. We couple our combined knowledge and proven expertise with an innovative manner of thinking and working. In this regard, we keep the entire technical process in mind, which can then be adapted to every client-specific situation. This is Van Aarsen's main strength.



Perfect price-quality ratio

Cooling/drying – optimum temperature and moisture balance

Van Aarsen invented the counterflow cooler and is therefore an expert in optimising the cooling/drying process of powder, pelleted, extruded or expanded products. Van Aarsen produces single and multi coverage solutions for the right quality, capacity and flexibility.

Sieving – quality control

Our sieving machines guarantee that the highest possible quality is achieved and maintained.

Bulk loading – flexibility and loading capacity

The basis for this is the specific client and market situation, from simple loading to complex robotic loading processes.

Bagging and palleting – good packaging is a real art

The end products may be perfect, but their packaging also needs to satisfy a large number of requirements. We offer the right solution based on our expertise.

Electronics and automation - state-of-the-art process automation

The Van Aarsen systems are user-friendly, open, flexible and intelligent. They feature the option of updating or expansion through the addition of modules in the fields of contamination, tracking and tracing, etc. This makes us the “number one” in process automation.

Engineering – tailoring and vision

We deploy all of our experience in order to achieve the greatest efficiency while remaining flexible. The result is always a customer-driven process in which we invest all our creativity in devising the best solution for now and for the future.

Production, installation, project supervision – our responsibility

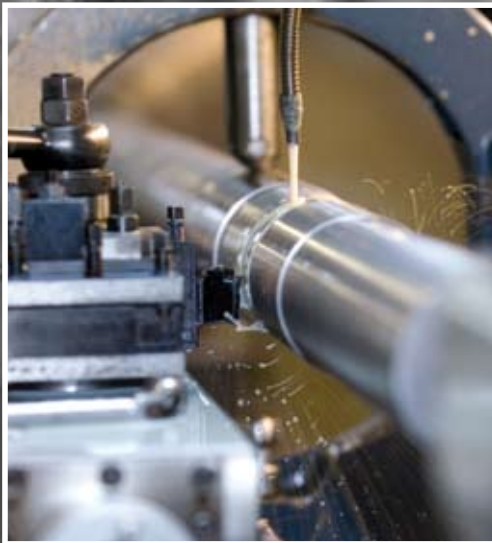
Besides design and development, Van Aarsen also takes responsibility for production, installation and supervision. We thus manage all phases of the entire project.

Maintenance - service is our strength

Regular maintenance, a reliable service and the speedy availability of spare parts ensure that down-time is kept to a minimum.



High-quality solutions





Animal Feed

Van Aarsen has become a worldwide “household name” in feed technology, both for commercial feed producers and for vertically-integrated businesses. Quality is of the utmost importance for both segments, and innovations in feed production are therefore of great interest. Thanks to their extensive experience, our engineers and technicians are always able to offer suitable solutions.

Pet food

Van Aarsen equipment has been successfully deployed in the pet food industry for decades. Well-known multinationals and many private-label producers rely on Van Aarsen equipment for their dosing, grinding and blending processes. Van Aarsen is the obvious partner for the construction or optimisation of your pet food system.

Aqua Feed

Developments in the field of aqua feed are fast-moving. Van Aarsen has been active in this field since the very beginning. The name Van Aarsen enjoys a very good reputation among aqua feed producers thanks to the innovative character of the machines. Our flexible mentality enables us to supply and supervise every aqua feed production process.

Tyre recycling

Van Aarsen develops and produces machines and total solutions specially for this industry in the recycling of tyres into granulates. Thanks to Van Aarsen’s expertise, marketable rubber granulates and rubber powder can be produced in three steps; shredding, grinding and granulating. Striking aspects are the excellent price-quality ratio, a high level of business certainty and low operational costs.

