



*Equipment for food  
waste recycling!*



**smicon**

ENGINEERING YOUR PROCESS



## 1980

SMICON WAS FOUNDED BY TONNIE AND GERTHY SMITS. THEY PRODUCED MACHINERY AND SYSTEMS FOR THE AGRICULTURAL SECTOR.

## 1995

THE R&D DEPARTMENT WAS ESTABLISHED TO FURTHER EXPAND THE PRODUCT PORTFOLIO. THIS DEPARTMENT'S FIRST RESULT WAS THE DEVELOPMENT OF A GRINDER FOR POTATO RESIDUE. GROWTH CAME MAINLY THROUGH THE FOODSTUFF AND REGIONAL INDUSTRIES.

## 2018

OUR DEALER NETWORK AND A GERMAN SISTER COMPANY ENABLED SMICON TO REACH A GLOBAL SALES MARKET.

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## 1985

AS WELL AS LIVESTOCK STABLE DESIGN, PIPEWORK AND PUMPS, SMICON ALSO SUPPLIED AUTOMATED LIQUID FEEDING SYSTEMS.

## 2010

THE COMPANY'S GROWTH AND DEVELOPMENT LED TO THE CONSTRUCTION OF AN ASSEMBLY HALL FOR THE PRODUCTION OF TURN-KEY PROJECTS FOR INTERNATIONAL CUSTOMERS. WE ALSO OPTIMISED LOGISTICS STREAMS AND PROCESSES.

## THE STRENGTH OF SMICON

Smicon is market leader in the supply of machinery and total solutions for processing packed and unpacked foodstuffs and organic waste streams. Since the early 1980s, we have worked actively in the development, manufacture, assembly and maintenance of steel and stainless steel machinery and systems.

We develop, engineer, produce and construct everything in house. Our machines are purchased by customers to process and upgrade organic waste streams and foodstuffs. With over 1,000 machines supplied across the world, there are Smicon machines operating in every continent.



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## ENGINEERING

SMICON THINKS, MOVES, DEVELOPS AND OPTIMISES WITH YOU. AS WELL AS ITS R&D DEPARTMENT WITH PRODUCT ENGINEERS AND TECHNICAL DRAUGHTSMEN, WE ALSO HAVE PROJECT ENGINEERS. THIS ENABLES US TO ENSURE THAT ORDERS ARE PRODUCED AND DELIVERED ON TIME, ACCORDING TO THE REQUIRED AND AGREED SPECIFICATIONS.



## PRODUCTION

TO SAFEGUARD QUALITY, WE TAKE CARE OF THE TOTAL PRODUCTION, ASSEMBLY AND FITTING OURSELVES. MOREOVER, NO MACHINE LEAVES OUR FACTORY WITHOUT UNDERGOING EXTENSIVE TESTS AND CHECKS.



# ENGINEERING YOUR PROCESS



## CUSTOMER-FOCUSED ADVICE

SMICON PROVIDES CUSTOMISED TOTAL SOLUTIONS. AS WELL AS A PORTFOLIO OF STANDARD MACHINERY, WE ALSO DELIVER TURN-KEY PROJECTS DEVELOPED ENTIRELY ACCORDING TO CUSTOMER REQUIREMENTS.



## SERVICE & MAINTENANCE

PRODUCING OUR MACHINERY IS JUST A PART OF WHAT MAKES US STRONG. IT IS THE ADDITIONAL SERVICE THAT ENSURES THAT OUR MACHINES CONTINUE TO OPERATE AS THEY SHOULD, YEAR ON YEAR. WE TRAIN OUR OWN SERVICE ENGINEERS, WHO ARE AVAILABLE 24/7. THEY INSTALL AND START UP THE MACHINERY AND, IF DESIRED, PROVIDE PERIODIC CUSTOMISED MAINTENANCE.

*Equipment for food waste recycling!*



smicon  
RECYCLE



# CUSTOMER-FOCUSED ADVICE AND CUSTOMISED SOLUTIONS

YOUR NEEDS AND REQUIREMENTS,  
TOGETHER WITH OUR EXPERIENCE AND  
EXPERTISE, RESULT IN CUSTOMISED  
MACHINES AND SYSTEMS.



Following extensive discussions, our engineers start work on the designs and preparations. Once there is agreement on the final design, the production department springs into action. The project manager will keep you informed of progress. This approach results in a machine that is manufactured both according to your needs and requirements and our high quality standards. Win-win!

Smicon has many years' experience in advising on and constructing machines for diverse sectors. We deliver customised products, including

pipework, conveyor belts, screw conveyors, pumps, construction work and controls. We also provide test and demo units, so that we can determine which machine best lends itself to processing your products. Our unique, thorough approach enables us to offer you comprehensive advice and realise customised solutions. Finally, we ensure that the entire process runs like clockwork and if we make an agreement, we stick to it. Total solutions in optima forma!

*Would you like to discover the Smicon quality?  
Feel free asking for a demonstration!*



# ENGINEERING YOUR PROCESS



SMICON MONITORS MARKET DEVELOPMENTS CONTINUOUSLY. OUR ENGINEERING DEPARTMENT REALISES YOUR CUSTOMISED SOLUTIONS BY ADDING OUR KNOWLEDGE AND SKILL TO DESIGNS AND CALCULATIONS. THE RESULT? THE OPTIMAL SOLUTION FOR YOUR REQUIREMENTS.

Smicon offers a high-quality range of specially developed recycling machines. Our machines generate high returns, combined with a real ease of operation. We are also aware that our machines should take up the least possible space in your production environment, which is why we focus on compact design. These are the basic conditions for a sophisticated and incredibly efficient design.

Customisation in engineering means focusing carefully on your process and the position of our machine in your organisation. We use this to produce a basic design. Any important choices are made in consultation with you: we make an inventory of your current situation and observe your processes, such as supply and delivery. We use these choices to determine the details: where should the machine be positioned, should it be stainless steel or steel, and how finely does the waste need to be ground? The engineering department's end product is the blueprint for production.

*With our extensive experience you can be certain that nobody else understands the market like we do.*

THE ENGINEERING DEPARTMENT'S END PRODUCT IS THE BLUEPRINT FOR PRODUCTION.







## PRODUCE, ASSEMBLE AND DELIVER

WE TAKE CARE OF THE MOST COMMON CONSTRUCTION WORKS IN OUR PRODUCTION DEPARTMENT. WE WORK WITH A TEAM OF EXPERIENCED CONSTRUCTION EMPLOYEES AND SPECIALISTS USING HIGH-QUALITY MATERIALS AND MACHINES.

Production can start once the engineering department has carried out its work. The production process starts with unprocessed materials such as aluminium, steel and stainless steel. Each material has its own, modern production hall complete with the latest equipment.

Smicon machines and systems are produced and tested entirely in house. In the assembly hall our products undergo intensive final testing before the orders are prepared for transport to our distributors and end users.

If required, we also help with starting up the machinery on delivery. As your machine needs to operate within your process, it is important that the entire process chain is well aligned. We can also train your operators to get the best out of the machines. Once everything is working well, we hand the machine over to you, so you can get started. Of course we also offer support after installation: please feel free to contact us for support in optimising your process.





# SERVICE AND MAINTENANCE

YOU CAN PERFECT A PRODUCT, BUT PEOPLE MAKE THE DIFFERENCE. THIS ALSO APPLIES TO OUR SERVICE AND MAINTENANCE DEPARTMENT.



Our specialised engineers have a wealth of practical experience. They drive fully equipped service vans, enabling them to resolve a malfunction or service machinery immediately in many cases. Our administration is up to date and digital; working with tablets enables us to view machine history and stock while en route.

We overhaul our smaller machines in our workshop, ensuring that these run again as new. Larger repairs are carried out on location. Our engineers receive ongoing training and have all the necessary knowledge, relevant certificates and diplomas. And we store a wide range of parts in our well-equipped warehouse.

This all ensures that your downtime is reduced to the minimum during servicing or in the event of a malfunction; your Smicon machine will be running as it should in no time.

We can offer maintenance and service contracts if required and decide on inspection intervals together with you. Our service box with equipment and clear instructions enables you to replace the most common wear parts easily yourself. Of course we are available 24 hours a day, 7 days a week in the event of malfunctions.

*Our service is inextricably linked with your system.*





PACKAGED AND  
UNPACKAGED  
FOODSTUFFS



OILS AND  
FATS



VEGETABLES,  
FRUIT AND  
POTATOES



ANIMAL FEED

MANURE AND  
DIGESTATE



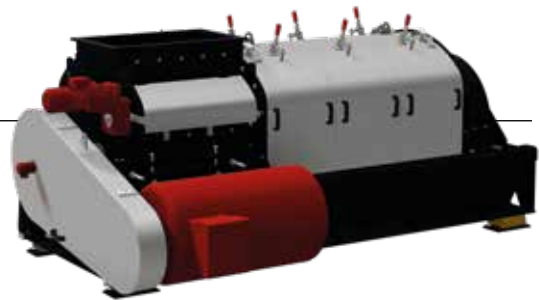
### OUR CUSTOMERS

Our machines are located where organic waste streams are transported, processed or upgraded. You can find Smicon in every continent. Our machines are located, for instance, at the most well-known processors of packed and unpacked foodstuffs, at processors of restaurant waste or at potato, vegetable and fruit sector multinationals. Our total solutions can also be found at animal feed producers. Finally, we have a proven track record

in processing vegetable oils and fats. For all these markets we have various machine applications that we can expand with customised storage and transport systems, including tanks, bunkers, screw conveyors and pumps. We supply our total package as turn-key system, provided with controls if required. We excel in the production of high-capacity stainless steel machines and in obtaining optimum returns from your waste streams.

## DEPACKAGING

Our depackaging machines process large amounts of restaurant waste and unpacked and packed foodstuffs and separate this into organic and packaging flow.

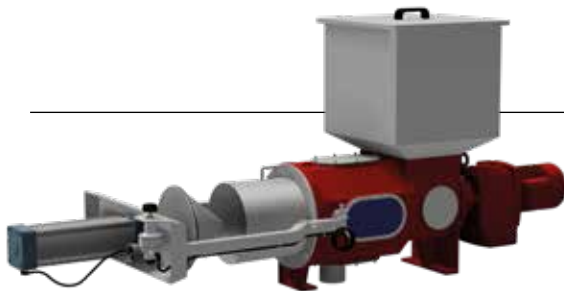


## GRINDING

SMIMO grinders pulverize potatoes, vegetables, fruit or other moist organic products into a pumpable pulp.

## SHREDDING

We use single and dual-axis stainless steel SMIDE shredders to shred potatoes, vegetables and fruit, but also to process foodstuffs and other organic waste products.

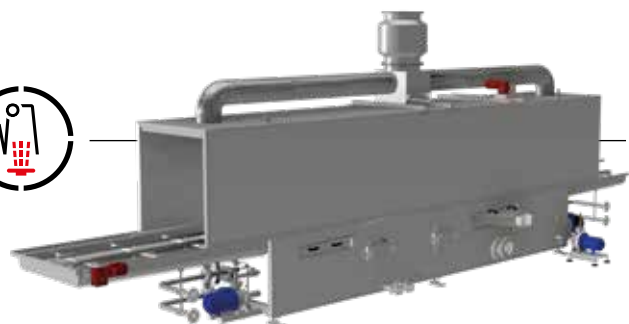


## FILTERING

The screw press filters dewater products during filtration, separating liquids from solids. The compression and adjustable pressure mean that the screw press is also capable of removing certain foodstuffs from its packaging.

## CLEANING

Smicon washing systems are modular, depending on container type and capacities. If desired, these can be fitted with input, pre-rinse and output systems.





**SMICON THE NETHERLANDS**

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