

COLD PRESSING FOR DEWATERING OF BIOMASS

FOR A SMART ENERGY PRODUCTION





EFFICIENT USE OF RESOURCES

MAXIMUM DRYING FOR SUSTAINED ENERGY

Biomass, the renewable raw materials, be it wood, leaves, grass or other resources, shall supply energy. By means of our screw presses, biomass can be dewatered efficiently and thus be used as yielding source of energy.

Different from usual methods, we do not dry the biomass but rather dewater it in a mechanical process. Our presses are more efficient than thermal dryers and the dewatering performance of Reinartz presses significantly exceeds that of conventional presses. This improves the fuel characteristics of the dried mass – one of many advantages of mechanical dewatering.

"We do not consider our customer as just a buyer of machines, but rather as a partner with whom we are improving his and our processes in order to achieve higher quality and lower costs".

NIKLAS STADERMANN | Managing Partner



Worldwide our customers rely on the highly efficient screw presses from Maschinenfabrik Reinartz, because they ensure high yields in best quality. For these results Reinartz is engaged for more than 80 years in constantly optimising and further developing the cold pressing processes.

EXTREMELY POWERFUL: THE SCREW DRYER MST

The screw dryer type MST is ideal for the processing of biogenic residues and co-products for a sustainable production of energy and a minimisation of transport costs due to a reduction of weight and volume.

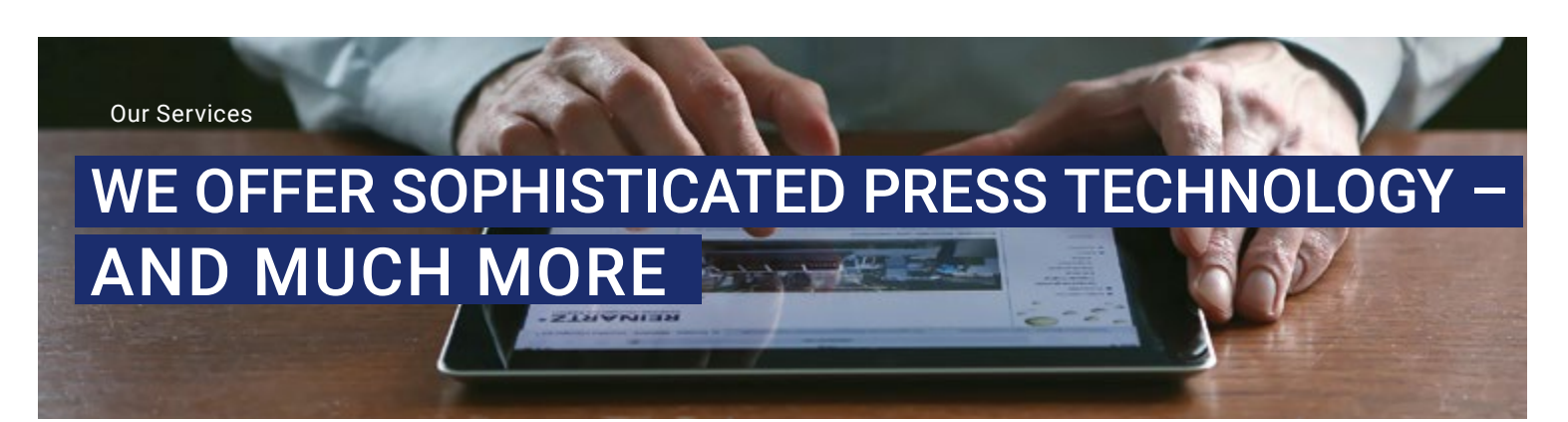
Dewatered by our process and without the use of binders, in the next step green cuttings and similar materials can be condensed to pellets or briquettes for fuel. This is an efficient way to turn waste products into valuable goods.

The model MST is available for various capacities.

TECHNICAL DATA: PRESS TYPE MST

Press type	Processing capacity		Dimension			Weight (kg)	Engine power (kW)
	approx. kg/h ½	approx. 8000 h/year	Length (mm)	Width (mm)	Height (mm)		
MST 04	40	320 t	1800	500	800	400	4
MST 15	100	800 t	2700	700	1200	2000	15
MST 45	750	6000 t	5240	1470	1800	9000-9200	45
MST 90	1000	8000 t	5240	1470	1800	9000-9200	90





Our Services

WE OFFER SOPHISTICATED PRESS TECHNOLOGY – AND MUCH MORE

SERVICE 4.0

Seamless communication: According to Industry 4.0 we offer a special customisable service and maintenance package with plant monitoring. All relevant interfaces of your plant system can be visualised and controlled accordingly.

FILTRATION PLANTS

Press first then filter: Our fully automatic filtration systems are available in various sizes from 2 m² to 118 m². We offer a comprehensive complete service for the installation of your filtration system – from consulting to commissioning.

OIL STORAGE

Well stored: Our crude oil containers are designed for quantities of 1 m³ to 40 m³. Your pure oils can be safely stored in our high-quality stainless-steel pure oil storage systems.

WINTERISATION

Effective and economic: For removing waxes for example from sunflower oil, winterisation is a cost-effective solution and method which we have developed especially for cold pressed oils.

METAL MACHINING

Once learnt, never forgotten: We also offer our mechanical engineering expertise as a service, for example in machining technology. Turning, milling, drilling, sawing, grinding – everything for your project.

PLANT ENGINEERING

From one source: To make your project an entire success, we provide you holistic solution models tailored for your need. Starting with a detailed consultation on customised engineering packages and a personal production support, our concept reaches up to the after sales service.





FROM THE WORKSHOP TO A GLOBAL BRAND

TRADITIONALLY INNOVATIVE

For more than 165 years the name Reinartz has been standing for innovative strength and competence in terms of oil production. Operated as limited company (GmbH & Co. KG) since 1949, we are now a globally established specialist with a comprehensive service portfolio – from conditioning to solid-liquid separation and filtration up to storage. At the Neuss headquarters the company employs around 50 staff.

Now as then, we have never succumbed to the changes of the engineering market – we have helped shaping them. Powered by our experience, with the know-how of constant further development – and passion for the best solution.



WORLDWIDE IN ACTION FOR YOU

Reinartz presses and filtration systems are in action on your behalf all over the world – as are our employees! You will find us in Europe, Asia, Africa, Canada and South America.



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