

PORTFOLIO

HAVER & BOECKER



NIAGARA

FERTILIZER

CONTACT US



HAVER & BOECKER NIAGARA

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WHY HAVER & BOECKER NIAGARA?

HAVER & BOECKER



NIAGARA

Haver & Boecker Niagara is a leading provider in screening, pelletizing and primary crushing systems. The company's mission is to deliver the best of these technologies to customers in the aggregates, mining, minerals, chemical, cement and food industries. With deep roots and years of experience in these industries, Haver & Boecker Niagara uses its innovative and shared technologies to effectively meet the needs of customers around the world.

Top three Facts!

01

Expertise & Reputation: We design and supply innovative mineral processing systems to the largest mining companies in the world.

02

Best Technology Features: We help our customers determine which process is best for their material requirements.

03

Practical Knowledge: More than 100 years of experience in mineral processing guides our decisions.



Global Coverage, Local Presence

Our products are designed by professional engineers, service personnel and technical experts around the world.



Higher Efficiency

Our equipment is designed with the latest technology to improve productivity



Profitability

Each product maximizes the availability of your equipment and increases production.



Innovation & Industry 4.0

Discover online quality control and ease-of-maintenance for your products.



Sustainable Solutions

Complex mineral processing solutions meet the established standards for sustainability and climate protection.



HAVER & BOECKER NIAGARA

WHO WE ARE?

WE ARE YOUR TRUSTED PARTNER

HAVER & BOECKER

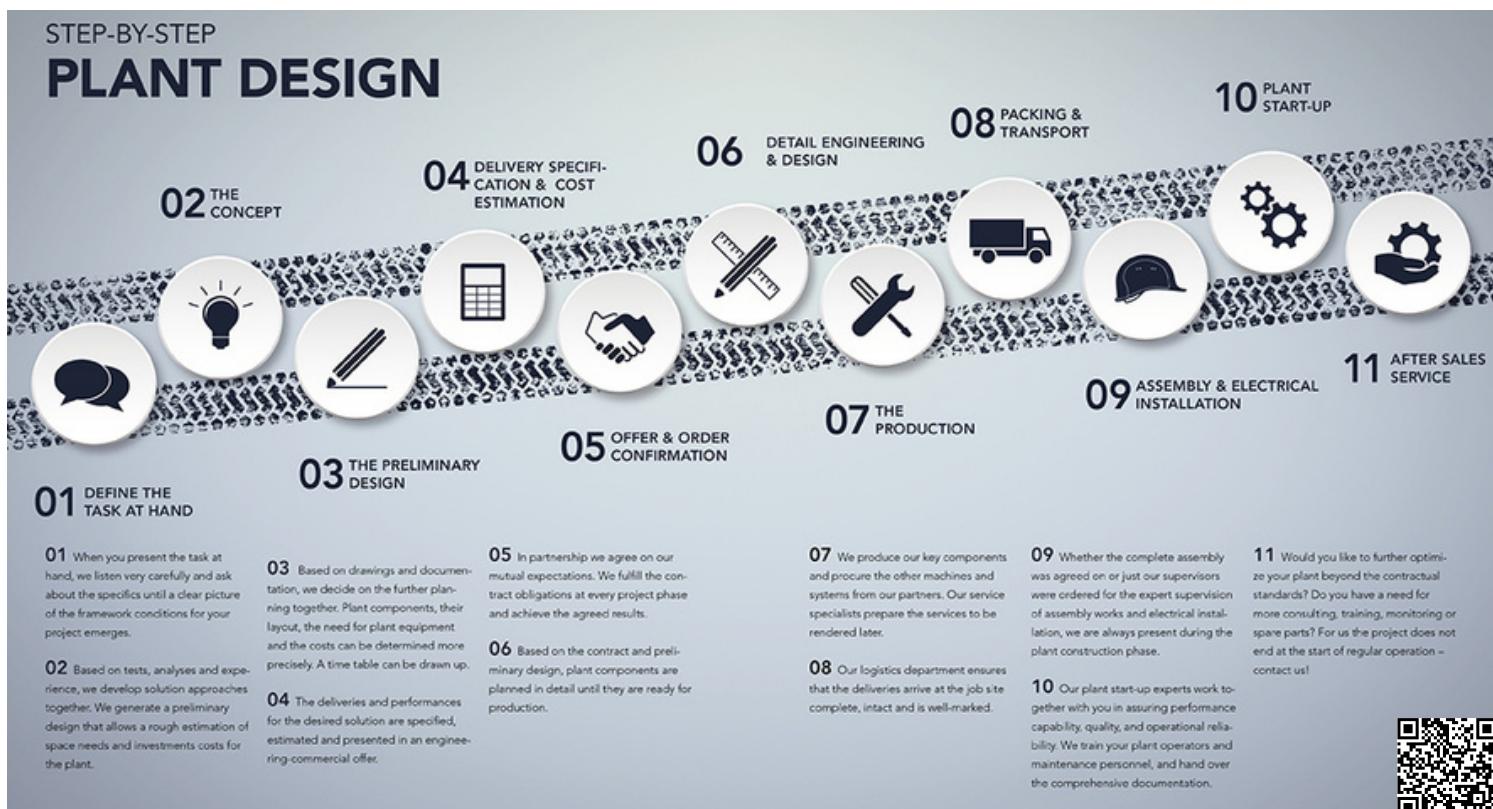


NIAGARA



THE BEST EQUIPMENT FOR YOUR FERTILIZER OPERATION

We know that every operation is different. That's why we strive to provide a unique experience that addresses your challenges by offering customized solutions to increase your productivity and profits.



HAVER & BOECKER NIAGARA

ABOUT OUR PRODUCTS

THE BEST EQUIPMENT FOR YOUR MINING OPERATION

HAVER & BOECKER



NIAGARA



Niagara F-Class
Eccentric Inclined
Screen



Niagara F-Class
Portable Plant



Niagara L-Class Linear
Screen



Niagara XL-Class High
Capacity Linear Screen



Niagara T-Class
Concentric Inclined
Screen



Niagara N-Class
Eccentric Inclined Screen



Niagara F-Class
Eccentric Inclined
Screen

To define the most suitable equipment for each application, Haver & Boecker Niagara makes a detailed analysis of the process needs, such as material characteristics and installation layout. Haver & Boecker Niagara vibrating screens, pelletizing equipment and primary crushing plants are ensuring the best results in your processing operation.

Discover other products

Haver & Boecker Niagara engineers and manufactures innovative technologies to effectively meet the needs of our customers throughout the world.



HAVER & BOECKER NIAGARA



SILVINITE ORE FOR KCL

RECLAIM AND LOADING TERMINAL

HAVER & BOECKER



NIAGARA

Complete reclaim and loading terminal for phosphate processing ensures the best performance for one of the largest producers in the world

Recognizing our professionalism, modern and environmentally friendly way of working, as well as the passion that marks all our work, the customer trusted our services by placing order to design his new potash storage and reclaim facility equipment. The project includes reclaim units for the stored fertilizer, screening stations to guaranty the product sizes, mixing unit for fertilizer blending, truck loading systems for containers and bulk, classification of potash for bagging lines. The plant's nominal design is 480t/h of potash at 2 and 4mm. This complex solution and efficient production circle gives our customer the chance to take advantage of the best product quality. High efficiency, longevity, maximum availability and improved quality for our soils – the result of Haver & Boecker Niagara's innovative strength.

TECHNICAL DETAILS:

Equipment:
reclaim and loading terminal for potash

Cut sizes:
2 and 4mm

Capacity:
480t/h



HAVER & BOECKER NIAGARA

PHOSPHATE ORES

MINING AND PROCESSING
PLANT FOR POTASH
PROCESSING

HAVER & BOECKER



NIAGARA

New Haver & Boecker Niagara mining and processing plant enables the processing of more than 2 Mt of potassium chloride per annum

After months of hard work, our technical team successfully finished manufacturing the first six vibrating screens of a complete primary crushing plant - impressive project for one of the biggest potash salts producers in the world.

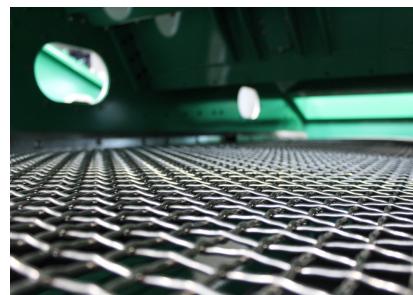
Our mining and processing plant allows the operation to make up to 2 MT of potassium chloride, annually. Using the Niagara XL-Class ME 1800x5000C and XL-Class ME 2400x7500C ensures efficiency throughout the plant's entire processing chain to effectively mine potash salts with 20 and 10 mm cut sizes, making a high-quality potash fertilizer. The producer's project includes the mine, a processing plant, railway infrastructure, new roads, housing and other infrastructure scheduled for completion by the end of 2023.

TECHNICAL DETAILS:

Equipment: mining and processing plant for potash processing: XL-Class ME 1800x5000C and XL-Class ME 2400x7500C

Cut sizes: 20 - 10 mm

Capacity: 2 MT/annum



HAVER & BOECKER NIAGARA

ROM-PHOS CLASSIFYING

EIGHT INNOVATIVE VIBRATING SCREENS FOR PHOSPHATE CLASSIFYING

HAVER & BOECKER



NIAGARA

All round solution: Haver Boecker Niagara supplied one of the largest fertilizer customer with eight innovative vibrating screens for phosphate classifying

Since years, Haver & Boecker Niagara is a trustworthy partner for projects in the fields of fertilizer industry, starting from the mine, where the raw materials are extracted and processed, to the fertilizer plants where the actual fertilizer is produced and to the packaging and terminals for loading and unloading stations. Relying on our many years of experience in this field Haver & Boecker Niagara has supplied one of the world's largest fertilizer producers with eight Niagara XL-Class R-MD 2100x7500-C vibrating screens for phosphate classifying. The high-capacity vibrating screens combine advanced exciter drive technology with a wide body to provide better screening action and more throughout. Each unit processes more than 52 TPH by 0-10 mm, and offers a cut size of 1 mm. To keep the equipment operating at peak performance, Niagara Certified Service Technicians will continuously inspect the equipment using our signature Pulse diagnostics.

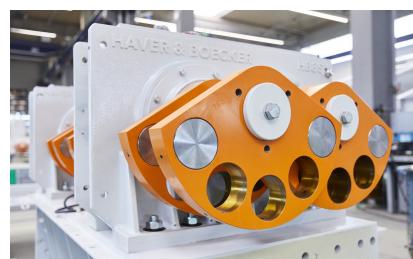
TECHNICAL DETAILS:

Equipment: Niagara 8 vibrating screens for ROM-Phos Classifying of the type XL-Class R-MD 2100x7500-C

Cut sizes:
1 mm

Grain sizes: 0-10 mm

Capacity: 416 tph



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SOP FERTILIZER

VIBRATING SCREEN

HAVER & BOECKER



NIAGARA

Niagara 2D MD 1400x4500 C in compact SOP fertilizer plant

In effort to aid in worldwide food security, we are working closely with a potassium sulphate (SOP) producer in Western Australia. Currently, there is no SOP production in Australia. Our customer aims to produce a high-yield, premium SOP fertilizer, for both domestic and international markets. To maximize screening efficiency, we installed the Niagara 2D MD 1400x4500 C, which processes more than 60 tons of SOP per hour with the particle size 0-25mm.

"The machine is designed for our customer to be a low cost, long life, high margin, and sustainable potash producer," said Francisco dos Reis, Haver & Boecker Niagara project manager. Looking to enhance your screening performance? Contact us today!

TECHNICAL DETAILS:

Equipment: Niagara 2D MD 1400x4500 C

Cut sizes: 0 - 25 mm

Capacity: 60 tph



HAVER & BOECKER NIAGARA

KAS FERTILIZER

FERTILIZER PLANT

HAVER & BOECKER



NIAGARA

Niagara XL-Class MD 2400 x 7500 C for processing KAS fertilizer

Fertilizer is the new gold. However, several agricultural challenges, such as longer application ban periods, nitrogen application limitations, reduction of ammonia and nitrous oxide emissions, and reduced storage capacities, have farmers scrambling. With this in mind, we custom-built a Niagara XL-Class MD 2400 x 7500 C high-capacity linear screen for a customer processing KAS fertilizer. The vibrating screen combines advanced exciter drive technology with a wide body for maximum reliability with extended maintenance intervals. Implementing it within our customer's plant increased its processing capacity to more than 230 tph with cut sizes of 0-5mm. Looking to enhance your screening performance? Message us today!

TECHNICAL DETAILS:

Equipment: Niagara XL-Class MD 2400 x 7500 C

Cut sizes: 0 - 5 mm

Capacity: 230 tph



HAVER & BOECKER NIAGARA

COMPLEX MINERAL FERTILIZERS MAP, DAP, NPK

TURNKEY GRANULATION PLANT

HAVER & BOECKER



NIAGARA

Granulation Plant with 86 Niagara vibrating Screens: Haver & Boecker Niagara supported the new endeavor of our customer — creating a fertilizer granulation plant for processing NPK fertilizers

Fertilizer is the foundation of agriculture and continues to be a critical component in meeting food security needs. With the development of modern fertilizer production techniques, Haver & Boecker Niagara helps companies around the world adopt more efficient methods of producing fertilizer. Recently, we supplied a large fertilizer customer with a turnkey granulation plant for processing NPK, MAP, DAP fertilizers. In this factory more than 86 Niagara screening machines (each with a capacity of 150 t/h) are in operation round the clock. The customer is very impressed with a smooth #project flow and huge production growth. Our fertilizer granulation production line allows our customers to increase their operation's capacity and improve product quality.

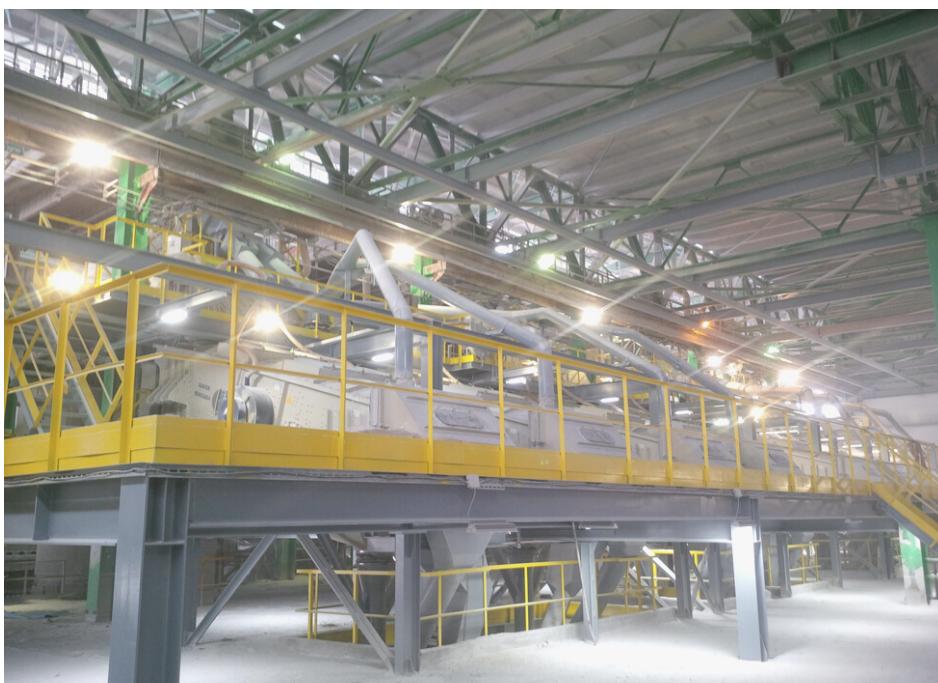
TECHNICAL DETAILS:

Equipment: Vibrating screens for MAP, NPK, DAP (82 screening machines: UM Feeder 1000x2300g; T-Class MD 1800x6000 2D; T-Class MD 1800x5000C)

Cut sizes: 2 - 5 mm

Fertilizer quality: 2K-EP80 µm

Capacity: 1200 tph



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COMPLEX MINERAL FERTILIZERS MAP, DAP, NPK

VIBRATING SCREENS

HAVER & BOECKER



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Eight Niagara vibrating screens support one of biggest fertilizer operator in the world to improve his performance

Eight vibrating screens are supporting one of the largest fertilizer operator in the world to improve his performance. The producer was looking for a trusted partner to realize his new endeavor — creating a fertilizer granulation plant for processing NPK fertilizers. Recognizing our professionalism, modern and environmentally-friendly way of working, we partnered with the producer to engineer four Niagara T-Class MD 1800x5000C vibrating screens and four Haver vibrating feeder UM 1000x2300s. The equipment allows him to reach capacities of 1,200 t/h by 0-50 mm and achieve cut sizes of 2-5 mm.

Together, we partnered with our customer to evaluate the operation's needs, and concept and engineer a first-class, efficient screening solution that now is improving his performance.

TECHNICAL DETAILS:

Equipment: T-Class MD 1800x5000C & UM 1000x2300s

Cut sizes: 20 - 10 mm

Capacity: 1200 tph



HAVER & BOECKER NIAGARA

UREA FERTILIZER

VIBRATING SCREENS

HAVER & BOECKER



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Thanks to the Niagara T-Class for urea processing our customer increased the capacity of its export facilities and improved the quality of his material

Due to its comparably low costs, urea — also known as carbamide — is currently the most widely used nitrogen fertilizer in agricultural industries. The demand is continuously increasing due to our growing global population. To meet the demand for urea and take the Liebig's Law of Minimum into account — which states that the yield of a plant is determined by that nutrient of which the smallest amount is available — our customer had to increase the capacity of its export facilities and improve the quality of his material.

We were contracted to increase the performance of the plant by supplying a complete fertilizer ship loading terminal with 1000 t/h of urea granules. Two Niagara T-Class ME 2000 x 6000 vibrating screens, with feeding capacities of 500 t/h each, allow our customer to produce urea with cut sizes of 10 mm, all while complying with stringent environmental regulations and digitalization requirements.

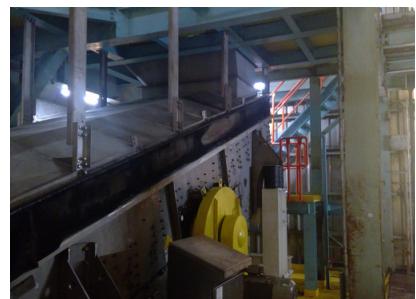
TECHNICAL DETAILS:

Equipment:

2 x T-Class ME 2000
x 6000

Cut sizes: 10 mm

Capacity: 1000 tph



HAVER & BOECKER NIAGARA

UREA FERTILIZER

TURNKEY GRANULATION PLANT

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Haver & Boecker Niagara developed a turnkey urea granulation plant with the capacity of 3250 tones per day

Offering a wide-variety of fertilizer is critical for the development of sustainable agriculture and food production. We have helped to support this sector by delivering equipment to four of the largest fertilizer plants in the world. Recently, we manufactured a turnkey granulation plant for urea classification with complete bagging and screening houses. There we set up our advanced Niagara Feeder and the high capacity linear screening machine Niagara XL MD 1800 x 6000. The granulation plant allows the operation to reach a feeding capacity up to 3250 tons per day, with separation at 2 and 4 millimeters by bulk a density of 0.75 t/m³. Implementing it the customer is able to increase his efficiency, while reducing costs.

TECHNICAL DETAILS:

Equipment: Urea Fertilizer Plant (Niagara XL-Class MD 1800 x 6000 & UM-Feeder 1400 x 2000C)

Cut sizes: 2 - 4 mm

Capacity: 3250 tpd



HAVER & BOECKER NIAGARA

PELLETIZING

SCARABAEUS© 4200 FOR
ORGANIC FARMING

HAVER & BOECKER



NIAGARA

Mineral Fertilizer Production with the Pelletizing Disc SCARABAEUS for organic farming: Output doubled

Driven from the vision for optimization of its equipment for producing of bio-active mineral fertilizers within pelletizing technology an australian customer contacted. The requirements made on a pelletizing disc were very high: In addition to a significant capacity increase from 7.7 to 15.4 t/h, it had to improve product homogeneity, as well as product quality. We developed individual solution for our customer containing the pelletizing disc Scrabaeus 4200. The features that made our customer decide for the SCARABAEUS© 4200 were the robust design, the energy-efficient and low-maintenance drive unit with two asynchronous motors, which allow for start-up even under full load. This ensures continued operation, if one of the motors fails, as well as the system's high flexibility, such as the possibility to adjust inclination and speed during ongoing operation.

TECHNICAL DETAILS:

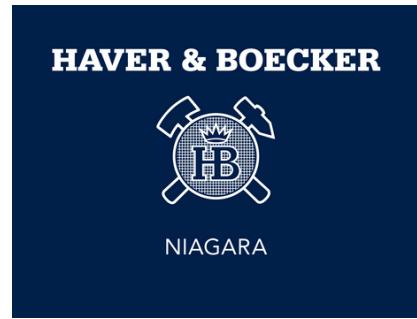
Equipment:
SCARABAEUS© 4200

robust design, energy-efficiency, low-maintenance drive unit with two asynchronous motors

Capacity: 15,4 tph



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