

New Bar Classifier from Mueller & Co. Aufbereitungstechnik AG

Recently Heinrich Mueller from Mueller & Co. Aufbereitungstechnik AG in Stetten, Switzerland, proudly presented his new bar classifier with an integrated pre-screener in his gravel pit. Heinrich Mueller is actually in the business of operating a gravel pit. But in an attached machine shop, he also builds production-specific **screening and washing equipment** for gravel material infused with large amounts of loam and clay, which can be used to separate material or granulates while using the least amount of energy and water possible.

The new bar classifier is the primary processing unit in the gravel pit right after the feeding hopper. A pre-screener (circular hopper) on top of the actual screen handles the first triage of the very sticky, viscous gravel-loam material. The strongly diverging bars of the pre-screener sort the large stones from the adhering loam, which flows over a separator grid.



Feed-end with pre-screener and subsequent bar classifier; both are mounted on ROSTA AB-HD 50-2 screen mounts.



Discharge-end of the Mueller classifier with cascading bars and separator grid.

The real classifier screen is set up as a linear vibrator with three bar cascades. These ensure an efficient degree of separation, high throughput, and completely free-flowing material passage through its diverging bar positions. Even difficult to screen material up to a granular size of 320 mm can be reduced and separated at a rapid rate (120 ton/h) with this equipment.

The pre-screener and bar classifier are each mounted on four overload-safe **ROSTA AB-HD 50-2** screen mounts, which guarantee many years of safe operations on the equipment. The pre-screener is driven by one **italvibras MVS1 10/3810 - S02** unbalanced motor and the linear classifier screen by two of them.

Heinrich Mueller is convinced that his new bar classifier will create an uproar in the industry and is thinking about manufacturing a small series of this combination screening unit in his machine manufacturing department.



Guidetti S.r.l. has committed its products entirely to the

At Guidetti S.r.l. in 44045 Renazzo, Italy, almost everything is about the seamless reprocessing and recovery cycle in the treatment of used industrial goods and the recycling of old construction material.



The owner and managing director of this Italian industrial complex, Mr. Mauro Guidetti, bet on the right horse in the 1980s when he introduced the first production machines and concepts for the shredding and simultaneous reprocessing of copper, aluminium, gold and platinum recovered from used consumer electronic devices, office equipment, and general house appliances. No vacuum cleaner, no mixer, no photocopier and also no stereo record player ran without an electric motor containing copper coils, and no computer was built without



Drive motor for the belt drive on a shredder shaft: maintenance-free mounting on the ROSTA MB 38 Motorbase.



Guidetti hammer mill („tearing wolf“) for larger objects, such as office machines and televisions, mounted on ROSTA ESL 50-2 anti-vibration mounts to absorb high levels of reaction forces.



GUIDETTI
 recycling systems

a motherboard with gold circuits running between the contacts. The innovative Guidetti machines extract the tiniest particle of these precious raw materials from electronic scrap.

Cost efficient recycling today is not only about recovering precious raw materials from electronic equipment; the reprocessing and utilisation of old construction material is also a growing trend these days. Guidetti S.r.l. is also intensively involved in this sector of the recycling business. With mobile, self-propelled crushers for a mid-sized pile of building rubble (residential complex demolition,

etc.), the manufacturer found an interesting market niche with its relatively inexpensive, track-driven centrifugal crushers. These machines have an ideal size for private construction firms or for mid-sized community work yards.

How did the „marriage“ of Guidetti S.r.l. and **the Blue Ones from ROSTA** come about? The processing of electronic and household scrap involves the shredding, tearing and breaking down of entire machine frames and televisions using the power of one of these „tearing wolves“ is almost always done using elastic v-belts

recycling code

to compensate for the occurrence of very high torque peaks. To ensure slip-free power transmission and to reduce maintenance costs, almost all Guidetti crushers and shredders are equipped with self-adjusting **ROSTA Motorbases**. Large equipment, such as hammer mills for office machines, is mounted on entire batteries of **ROSTA Anti-vibration Mounts** to absorb high levels of reaction forces. Last but not least, the numerous shaker conveyors and material screeners for sorting raw material are also on **ROSTA Oscillating Mountings**.

When Guidetti S.r.l. also committed itself to recycling demolition waste and therefore drove the conception of mobile crus-



Company Guidetti

hers, there was no question about which product would have preference in the selection of suitable mounts for the feed bunkers. Based on the company's good experience with smaller ROSTA Oscillating Mountings for the electronic scrap screening conveyors, the overload-proof **ROSTA AB-D 50** oscillating mountings were selected for the feed bunkers; oscillating mountings, which can absolutely hold up under the spontaneous loads from discharging heavy front bucket loaders and also guarantee good isolation and shock absorption on the machine sub-frame.



Detail showing a hammer mill mount; thanks to the high deflection capacity of these vibration dampers, practically no reactive forces can be measured on the machine sub-frame.



„Caesar Junior“ mobile building rubble crusher with a two cubic metre material bunker mounted on four ROSTA AB-D 50 oscillating mountings.

ROSTA AG exhibits at the Hanover Fair for the twentieth time!

A perfect participation record at the „Motion, Drive & Automation“ show since 1975!

It all began in 1975 when we took part in the „drive – control – move“ exhibition forum in hall 16 at the Hanover Fair. ROSTA AG presented its products to an international public in a small aisle booth for the first time. Until 1989, interested professional trade attendees found their way to a growing exhibitor space at the traditional ROSTA AG spot in hall 16. By exhibiting eight times in the same customary setting with the same neighbours, an almost familial relationship developed among the nearby booth „residents“. They helped each other with cleaning, making coffee and do the dishes. And these good contacts continued long after the fair closed its doors and often resulted in interesting „knock-on business“, where one exhibitor also offered the products of its Fair neighbour for a specific customer application.

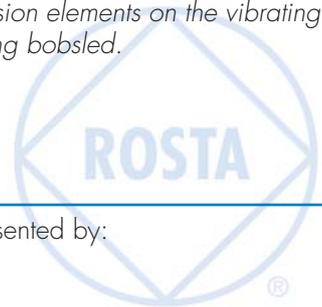
From 1991 to 1995, ROSTA AG moved to hall 23 for three exhibitor shows, which certainly provided better access to the visiting masses in strategic terms, since the location was closer to the main entrance, but lacked the good

neighbour relationships of the previous years. In 1997, the new hall 25 was completed. Thanks to a prompt application and direct contact with the trade fair head office, ROSTA AG was able to make a long-term reservation for an excellent booth location open to traffic on three sides. For the ninth time, **the Blue Ones from ROSTA** were present in hall 25 at this year's Hanover Fair from 8 to 12 April.

The makeup of the visiting public has changed greatly over the last 38 years. Where many design engineers and technicians came by the booth with a long list of requests and sketches to have questions answered on site about installation possibilities and machine engineering components in the early days, today's visitors much more rarely are looking for such information discussions in Hanover. However, as a meeting point for establishing and fostering international technical and design engineering trade and cooperation relationships, the Hanover Fair remains **„the place to be“**. At ROSTA AG, we are grateful that two-thirds of our initial international business relationship contacts took place at Hanover.



No trade fair without a public attraction! Fair attendees stand in line for a ride on the ROSTA suspended **Swiss Bob**. „Daring“ visitors can feel the efficiency and effectiveness of the elastic ROSTA suspension elements on the vibrating and swerving bobsled.



Represented by:



The completely functional ROSTA AG demo displays show the blue machine components in practical applications and are always an attraction for trade visitors.

Publisher:
ROSTA AG, Hauptstrasse 58
CH-5502 Hunzenschwil
Phone +41 062 897 24 21
Telefax +41 062 897 15 10
E-Mail info@rosta.ch
Internet www.rosta.ch

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