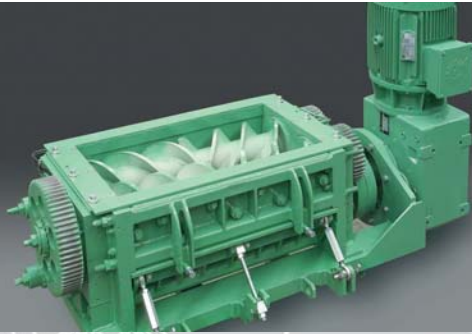




ScrewTypeMill

slow turning screw type mill

neuenhauser
Umwelttechnik

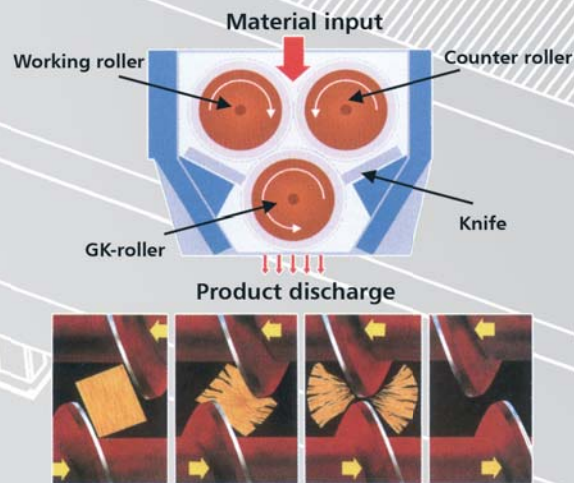


Screw type mill

Shredder with three rollers according to the Lescha principle

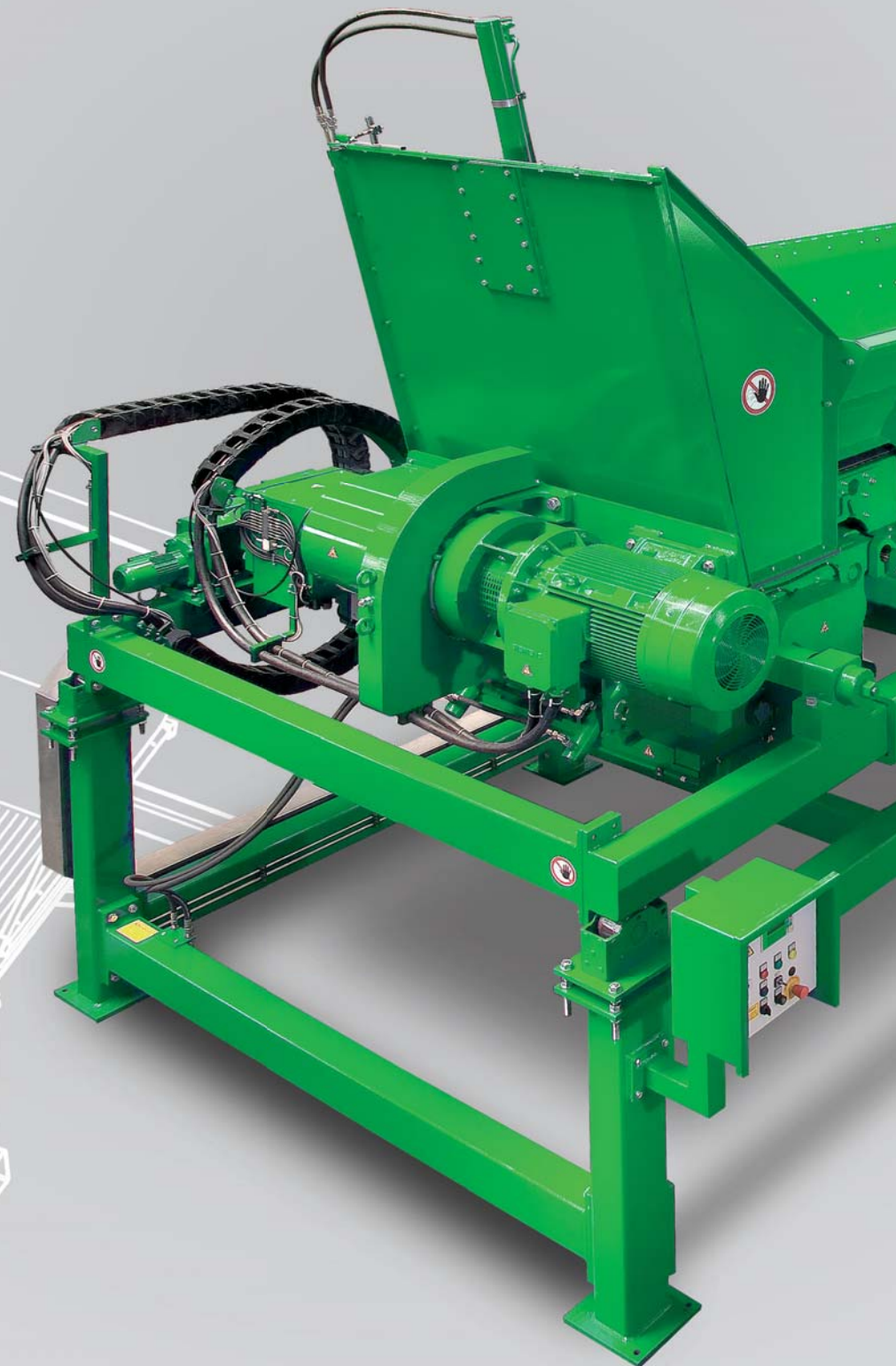
Slow turning screw type mill from Neuenhauser

With their slow turning screw type mill, Neuenhauser Maschinenbau is offering a high quality product line in crushing and minimisation systems for domestic and industrial garden and bio waste. All Neuenhauser screw type mills work efficiently, reliably and low noise level with their sturdy 3-Roll-System. The grainsize can be chosen between 40 and 250 mm. It depends on the material and on the type of gk-roller. Special solutions on request.



The Principle of the slow turning screw type mill

The core of all Neuenhauser screw type mills are three slow rotating screw type minimisation rolls. The two upper rolls are pre-crushers. The bottom roller works against with, adjustable knifer. This technique achieves a steady, compost ideal sized granular spreading. The minimised and crushed fibre material is discharged in a free fall and not accelerated in any way.





Application areas of the Neuenhauser screw type mill

- Organic waste
- Compost
- Garden rubbish
- Loppings
- gypsum plasterboards
- and many more

Operating safety

The use of industrial components provide the customer the highest operating safety and therefore less downtime and repair costs. The main components are exclusive delivered by famous manufacturers. Neuenhauser screw type mills meet the accident prevention regulation and will be delivered with a declaration of conformity.

Experience

The long experience with the Neuenhauser screw type mill, the steady advancement of the interplay between customers and engineers, between requirements and feasibility as well as practical experience are the result of today's Neuenhauser screw type mill.

*Technical data**

Installation size	250	310	380
Drive power	30kw	55kw	90kw
Roller diameter	250mm	310mm	380mm
Roller length	962mm	1200mm	1500mm
Mill corpus weight (without frame & hopper)	2,5t	7,5t	10t
Volume achievement	till 45m ³ /h	till 80m ³ /h	till 120m ³ /h
Weight achievement	till 8Mg/h	till 18Mg/h	till 40Mg/h

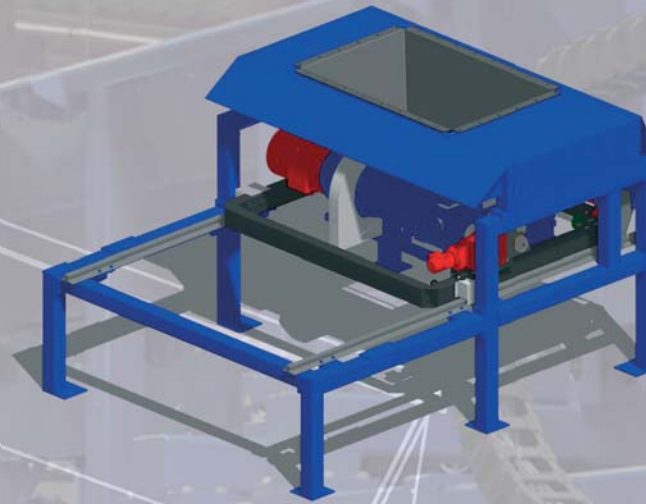
*Technical alterations reserved

The standard models

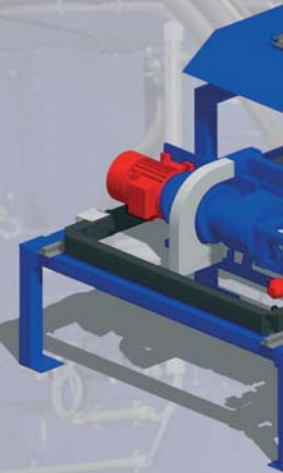
G- Model:

The G-model is equipped with an upper hopper. Material can be charged continuously via a conveyor belt or discontinuously by a loader or excavator. The way of feeding is co-determine for error free operation and throughput quantity.

Working position
(G-Model)



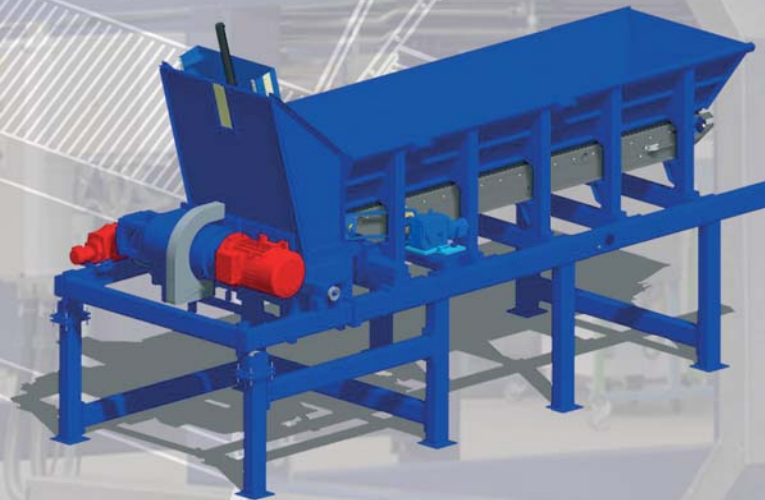
Maintenance position
(G-Model)



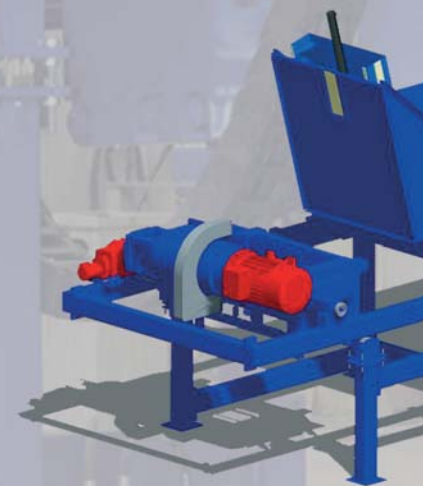
S- Model:

The S-model stockpiles the material into a hopper. The integrated hopper conveyor belt feeds the material into the screw type mill. The supply speed is adjustable.

Working position
(S-Model)

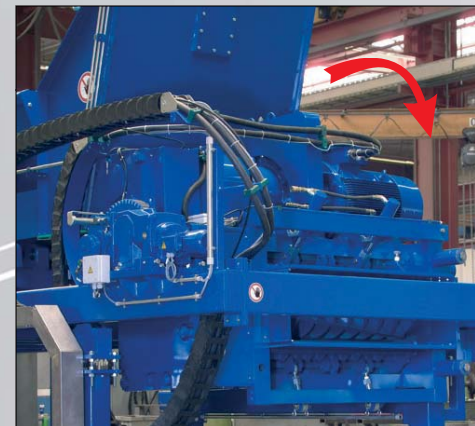


Maintenance position
(S-Model)



The hopper and baseframe will be custom-made. Both models are equipped with service facilitation. A package of handling and supporting devices is included to minimise stand by and maintenance time.

Integrated Service facilitation



Mill body "moving"

The mill body is mounted with his electric drive mechanism in a flexible frame. The framework can be simply changed from working position into service/maintenance position with two integrated hydraulic cylinder.

All scopes around the mill body are so optimal accessible. Maintenance- and service can be arranged simply, fast and efficiently.

Mill body "turning"

This option supports, as above mentioned, the service and maintenance agreeableness of the Neuenhauser screw type mill. After the mill body has been carried out with the help of option "moving" into maintenance position, the whole mill body can be turned at 180° around its own axis via a mounted Electro motor. As already described, this option is only available including the option mill body "moving".

Central lubrication system

The central lubrication system supplies all important points of the mill, like bearings and gearwheels with grease. At a disturbance, like missing grease in the grease reservoir, the machine stops and you can see the error in the operator panel. This attachment secures the mill against heavy damages and abates high repair costs of the construction.

Options

Principle shearing bolts (standard construction)

The knife is bolted on a knife carrier. The knife carrier is assured by two shearing bolts. In the case of a breakdown material incident in the mill, the shearing bolts breakaway. The whole knife carrier shirks and the mill stops. Major breakdowns will be avoided. After the breakdown material has been removed the knife carrier will be brought back into the operation position and new shearing bolts have to be assembled.

Principle hydraulic counter knife retainer (optional)

The shearing bolts are exchanged to two hydraulic cylinder. The pressure of the knife carrier to the GK-roller is adjustable. If the breakdown material is feeded into the mill, the hydraulic oil passed out of the cylinder — the knife carrier shirks. After the breakdown material has been removed out of the mill, the knife carrier will be brought back into the operation position by an electronic or hand hydraulic pump. Advantages are:

- Easy maintenance
- Saving time/money
- Possibility of an individual adaptation to the relative material
- No spare parts like shearing bolts necessary

Primary reduction
(Working roller and free roller)

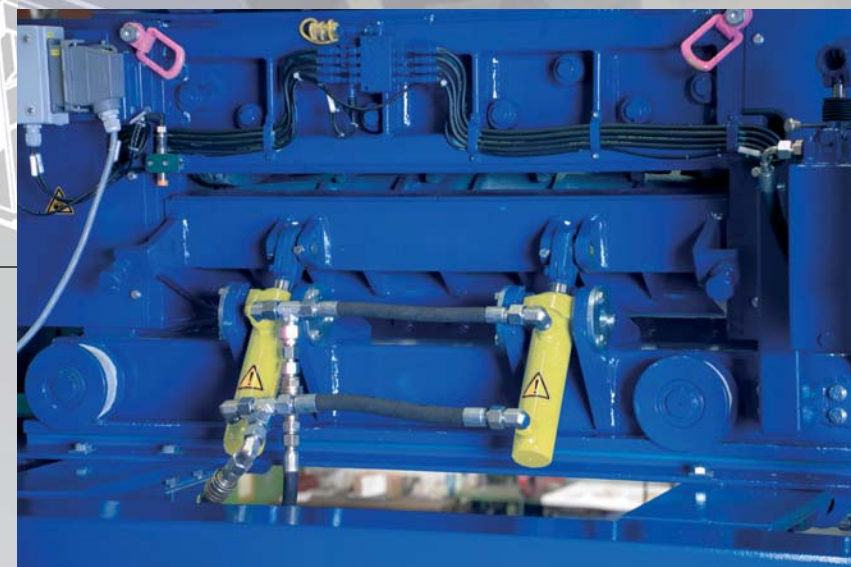
Knife

Shear bolt

Knife bar

Crushing to grain size
(Gk-roller)

Shear bolt

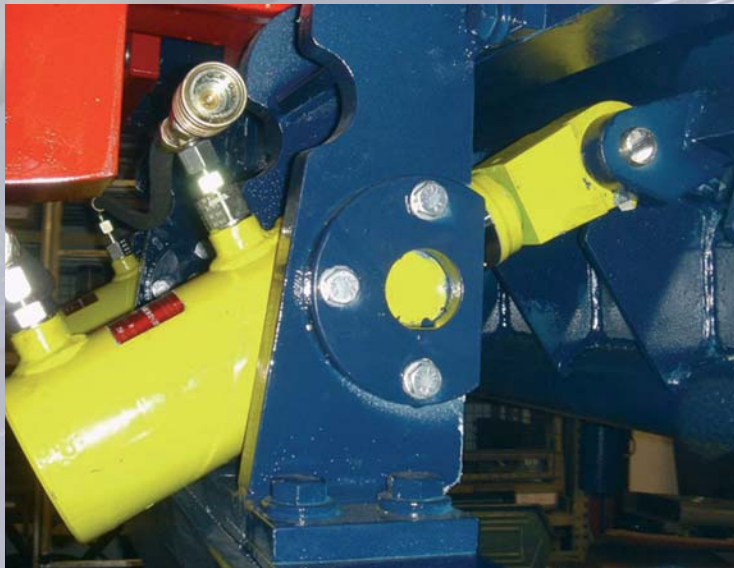
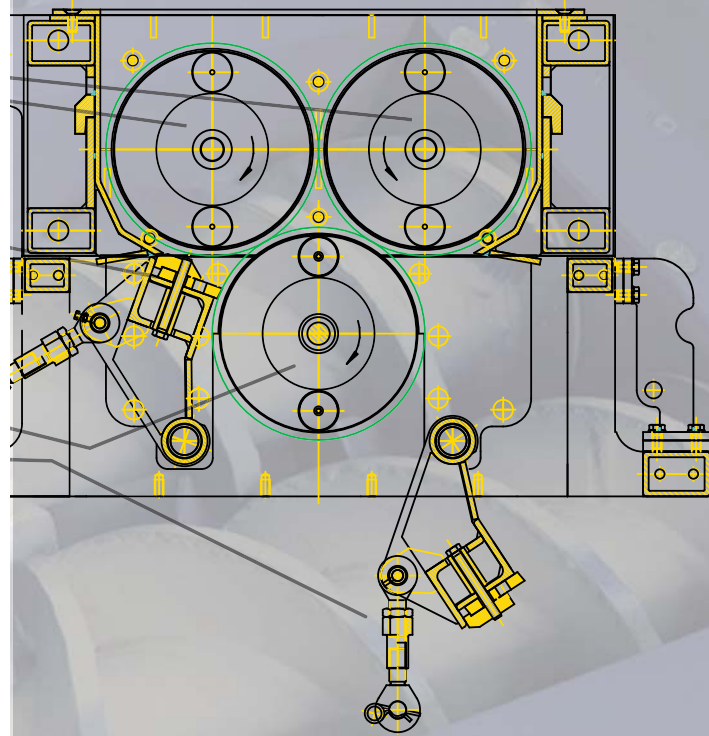


Neuenhauser customer care



Because we aim to form long-term and mutually beneficial partnerships, we assume responsibility for our products life cycle. Quality, Efficiency and Innovation are the basics of the Neuenhauser service-competence, on which our customers can rely on today and tomorrow.

Our qualified service partner all around the world ensure best support for your products. Neuenhauser service partner are constantly supported by the respective competence center and can therefore benefit from the experiences of the whole Neuenhauser-Network





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