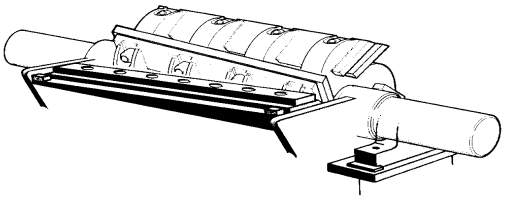
# Granulator LM

The **NEUE HERBOLD** granulators in the **LM** series operate at a minimal sound level and are manufactured for mid range applications.

The granulator has easy access characteristics for quick cleaning, maintenance purpose and when doing material or product changes.

The granulator type **LM** uses the true double cross cut knife configuration.



The slanted rotating knives work in conjunction with stationary opposed slanted bed knives mounted in the granulator housing.
This cutting geometry ensures a precise cutting gap, low energy consumption and reduced noise level.

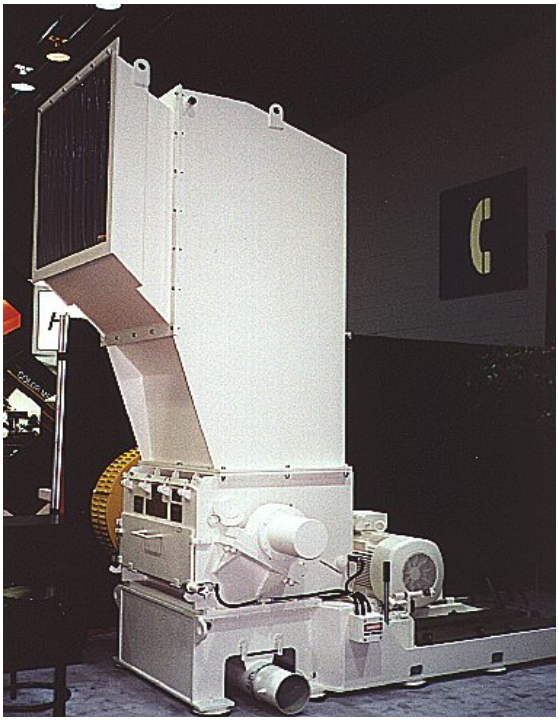
## ● Economical and versatile

Film, containers, crates, automotive fascias, thin walled pipes, injection moulded and thermoformed parts, etc.
Granulators in the **LM** series are also ideal for size reduction of light and medium walled high volume plastic waste.

The **LM** series granulators can be manufactured with various types of rotors depending on the specific application.

## ● Complete steel welded construction

**NEUE HERBOLD** granulators in the **LM** series are of heavy duty manufacture. This pertains not only to the housing but also the rotor bearings, knife supports, rotor shaft and knife mounts.
The completely welded housing is manufactured from special strength steel to guard against housing fracture and extraordinary stress.



## ● Outboard mounted rotor bearings

The rotor bearings are mounted completely outboard and separate from the granulator housing. The concept prevents any dust or material from the entering the bearings which could lead to premature bearing failure. Furthermore this eliminates any temperature build-up on the bearings that could otherwise be transferred through increased grinding chamber temperature.

The **LM** series is manufactured in a compact and integrated form which reveals the easy in cleaning the granulator for material or colour changes.

The granulator is supplied with a hand crank winch for easy in opening the upper housing or depending on granulator size with hydraulic access.

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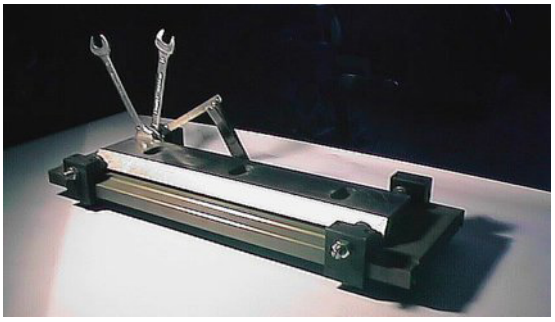
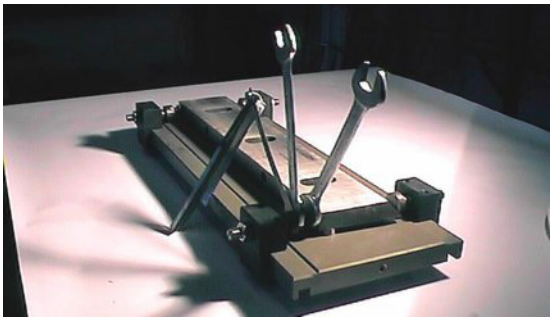
## ◉ Knife adjustment procedure

The adjustment of the rotor and bed knives is performed completely outside the granulator utilizing an adjustment fixture.
Adjustment bolts located on the rotor and in the housing are preset at the factory. Rotor and bed knives are adjusted utilizing the bolts provided on each knife and readjusted after the knives have been re-sharpened. The knife adjustment procedure is totally independent from the granulator operation.





## ● Advantages:

The granulator "down time" is considerably reduced due to the fact that the knives have been previously adjusted. Therefore it is only necessary to remove the old knives and install the new pre-adjusted knives. The timely method of knife adjustment inside the granulator has been completely eliminated. Knife installation is performed with a pneumatic wrench. The granulator allows easy access through the „clam shell" opening characteristics.

| Type | Feed opening height x width | Rotor (mm) | Drive (KW) | Weight (Kg) | Throughput * approx. Kg/h |
|---|---|---|---|---|---|
| LM 160/600 | 240 x 650 | 160 | 4 - 7,5 | 1430 | 50 - 140 |
| LM 160/900 | 240 x 970 | 160 | 4 - 7,5 | 1630 | 90 - 180 |
| LM 200/100 | 200 x 100 | 200 | 2,2 - 4 | 115 | 20 - 40 |
| LM 200/200 | 290 x 196 | 200 | 4 - 5,5 | 140 | 20 - 70 |
| LM 300/300 | 500 x 300 | 300 | 5,5 - 30 | 1000 | 100 - 250 |
| LM 300/500 | 500 x 490 | 300 | 11 - 30 | 1500 | 200 - 500 |
| LM 300/800 | 500 x 790 | 300 | 11 - 30 | 1800 | 300 - 800 |
| LM 300/1500 | 500 x 1430 | 300 | 22 - 37 | 2800 | 500 - 1200 |
| LM 450/600 | 600 x 580 | 450 | 22 - 75 | 2600 | 400 - 1000 |
| LM 450/1000 | 600 x 980 | 450 | 22 - 75 | 3800 | 600 - 1300 |
| LM 450/1200 | 600 x 1155 | 450 | 22 - 75 | 4800 | 750 - 1500 |
| LM 600/1000 | 720 x 980 | 600 | 30 - 75 | 4900 | 800 - 1500 |

* Information regarding the through-put rate, are based on experience gained with standard size reduction applications and dry materials like PVC profiles. Special applications or light weight materials may not achieve the mentioned minimum capacities. These are therefore no guaranteed features."

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