

Animal Feed Technology

Known for Quality Products



Leading manufacturer of pellet mill dies

Orion Engineering Works specialize in High Precision Pellet Die and High Precision Press Roll Shells and Hammer Mill Beaters, not only Pellet Die Orion has renowned name in Pellet Mills also. As well as producing key components for our own range of pellet mills, Orion also produces pellet dies for other pellet mill makes and models, thus setting the standard in the industry for products.



Orion profits from decades of practical experience and has invested heavily in practising the process of manufacturing highly specialized product. Orion have gain trust in customers with its high end quality and on time delivery, Orion Dies and Press Rolls are easy to mount in and they just work on Plug and play Basis, i.e. you just fit in the die and production will start without any encumbrance.

Manufacturing process

Every tiny part of the die has, at some stage, been produced with a single machining operation and its involves different machinery for its every different operation, starting from Facing a Die on Lathe Machine, then a Gun Drilling CNC which leads die with 3 mm hole sizeto have 11,000 holes in total. Add to that a countersink and a counter-bore, and the result machining operations, each one conforming to the accuracy of the pattern. After drilling and tapping bolt holes, cleaning, drying, vacuum hardening, tempering and Finally to the fitting sizes, the entire process involves precision and accuracy and that is what we known for.



Quality Assured product range

Materials ►

Orion offers a variety of chrome steel alloys. By varying the content of chromium, manganese nickel, and carbon, we can select a material that suits every individual requirement for a wide range of operating environments and thus we also help customer in choosing adequate material to be best fitted their need and their pocket also.

Precision machining with our technical support, customers take great care in specifying size, shape, and pattern of the required die holes. We meticulously follow these instructions and manufacture the dies with accuracy and repeatability on the basis of an automated production process.



Hardening ▲

Our experienced operators establish heat treatment programs for dies going into vacuum hardening pits. The heat treatment process is of utmost importance as it guarantees the product uniformity and longer life. Orion has invested substantially in the most modern hardening technology, i.e. Vacuum Hardening and Gas carburising to produce a long-life and high-performance die.

Roll Shells ►

Roll shells operate under extremely harsh conditions. Massive forces are transferred from the die face through the bearings to the roll support shaft. It is vital that dimensions are accurate and that the hardening process is of a high standard, it is further needed that the Grooves of Roll Shells are to be efficiently made as they are the one who are responsible for pressing of material in die and any leniency in that is vital for whole production process and thus can put a halt in entire process, Orion has developed roll shells to match the excellent performance of its dies. Roll shells are available in several patterns, e.g. dimpled and fluted. Orion will help the customer to select the correct design for the application.



Services

spare parts and service support

Apart from gaining name in manufacturing Pallatiser and Pellet Dies Orion is known for its quality Press Roll Shells, Hammer Beaters and Hammer Mill Sieves and Die holders and T-Shaft too.

Beaters ▶

Profiled and hardened on our premises, the beaters have established an excellent, worth-the-money reputation. Now in generation of alloy steels, beaters combine good wear resistance properties with strength and durability. Orion manufactures beaters of any size or shape to fit their Hammer Mills and all other hammer mill models.



◀ Die Holders

Die Holders and T-Shaft Are Most important parts of Pellet Mills as they are the one who were responsible for smooth working and efficient production of pellet mill. The both required parts are thus manufactured here in our facility only and thus it is to be ensured that they provide you're machinery a long lasting life.

Hammer Sieves ▶

These sieves our profiled on our premises only, our sieves have developed an excellent landmark in production as sieves are the one which are responsible for efficient and required production, Orion profiled sieves for hole size from 2mm hole size to as per the customer's demand, Orion profiled sieves for their own Hammer mills and also for rest of all other Hammer mill in the world.



Quality Control

Hardness Tester ▶

As already told about in house Heat Treatment Facility, so that instrument allow us to maintain proper hardness so as our customer must get an efficient and effective product.



◀ Ultrasound Flaw Detector

Every Raw Material which enters the facility has to pass through the test of Ultrasound Flaw Detection. This ensures us to have a hold over our input raw material quality. Further we stress a special emphasis on the raw material checking of pellet mill i.e. forged t-shaft, die holders and Ring Dies, thus ensuring us these don't have any blow holes or cracks hidden inside them.

Why we ?

- ▶ Availability of Ring Dies & Press Rolls for all brands.
- ▶ Plug n Play.
- ▶ Longer Lifetime and better output.
- ▶ Short Delivery time.





B-13, Focal Point, KHANNA -141401 (Pb.) India
Ph. : 01628-226281 E-mail : info@orionindia.in
www.orionindia.in

► **For National Queries:**

[Papanpreet Singh](#)

E : papanpreet@orionindia.in

M : +917087847399

► **For International Queries:**

[Nikhil Davgun](#)

E : nikhil@orionindia.in

M : +918968922599

► **For Technical Queries**

[Jatin Davgun](#)

E : jatin@orionindia.in

M : +918968922499

[Parminder Singh](#)

E : parminder@orionindia.in

M : +917087847599