

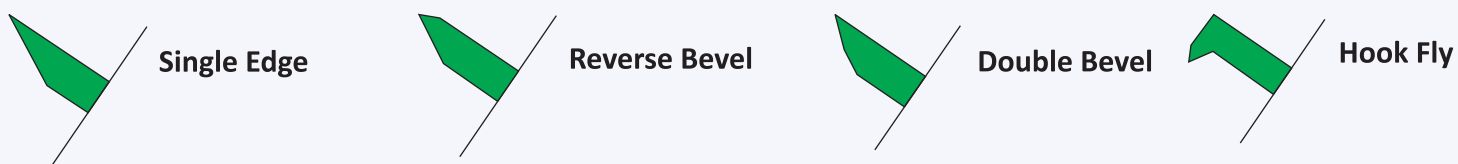
### About

ATLAS Engineering (ATLAS) is a powerhouse in the manufacture of Industrial Knives, Machinery Blades and Rolls based out of Noida, India. The company is led by a team of experts committed to producing the best quality knives for the most critical size reduction applications. All ATLAS products are designed and created to meet the custom requirements of our clients. We take great pride in our unique ability to deliver high precision tools made from European Steel at very affordable prices.

### Fly & Bed Knives

ATLAS manufacturers world class knives for granulator machines that are Made With the highest quality steel, superior heat treatment and close tolerances to Give our Customers exceptional wear resistance, toughness and high cutting quality. With our Vast experience in this field we are able to determine the optimal material, cutting angle and hardness based on The type of plastic waste (PET, HDPE, PVC, LDPE, PP, PS etc), cutting system arrangement, condition of machinery and Client's blade life expectations.

#### Fly Knives Bevel Options



#### General Materials for Fly and Bed Knives-

Knife Material	Applications
D3/1.2080	The most basic material for recycling knives. Medium wear resistance and toughness. Suitable for price conscious low volume users.
D2/1.2379	The most standard material for recycling knives. High wear resistance and medium toughness. Suitable for high volume users who do not want to stop machine routinely. D2 offers the best cost to life economy.
A8/1.2362	Suitable for more rugged applications where applications where users are facing excessive edge chipping and knife breaking issue. Medium wear resistance but very high toughness.
AT15	Specially developed proprietary composition with extreme wear resistance and toughness. Suitable for processing rugged/inflexible/stiff plastic waste. Double the wear resistance of D2 combined with toughness of A8.



## Rotary Shredder & Stator Knives

ATLAS has worked with countless OEM's to design and develop shredder and stator knife systems to ensure low tooling cost and control cutting size and quality. Our knives enable users to enjoy extremely high performance due to our experience in selecting the optimal material and relative hardness configuration between the rotary and stationary knives. In addition to being committed to making the best knives for your needs, we are more than eager to work with you and make your job easier by selecting the right designs, materials and hardness for your shredding needs.

Rotary Shredder knives are normally supplied with black velvet coating for increased life and are available in all shapes (square, circular, rhombus etc) and designs (concave, crown, nip etc). D2/1.2379 is our most standard material for these knives and for special applications other material offerings as well. For extremely high life solid carbide and carbide tipped knives can also be supplied.



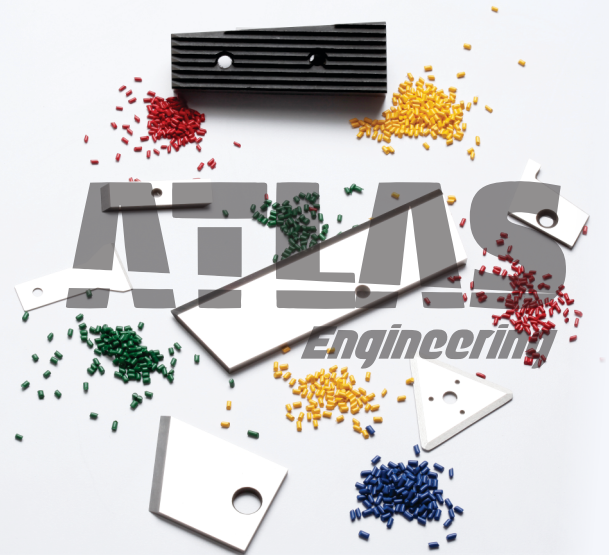
Stator Knives can be supplied in through hardened, surface hardened or variable hardened executions depending on the nature of the application. We can make very intricate teeth profiles with close tolerances for high speed shredding machines to reduce chances to tool failure and enable smooth/flush cutting.

## Pelletizer Knives

ATLAS is a market leader in the manufacturing of pelletizer knives and has a dedicated production line for small knives that is able to produce large quantities of knives in a short amount of time. We understand the importance of the quality of the pellet and take pride in 100% (not by sampling) in-process and outgoing inspection of the knives we make. This results in a consistent knife quality that translates to a consistent pellet shape and size.

General Materials for Pelletizer Knives-

Knife Material	Applications
Saw Steel	Suitable for process pellitize soft/easy to cut plastics on slow machines. Knives are cost effective but offer low life. Medium hardness that does not wear the extruding die face.
M2 HSS/1.3343	Simple high speed steel. Suitable for medium volume user who is price sensitive. High hardness gives the knives good life.
T42 HSS/1.3207	Advanced high speed steel delivering higher wear resistance than M2. Works very well with carbide die face and in high speed pelletizing systems.
ASP 2023/1.3395	Sintered steel with very fine microstructure and small grain size. Gives maximum wear resistance and is suitable for uber high volume users.



# ATLAS

## Engineering

Sister Company : Extra Sharp Tool and Knives

**ESTK**  
a division of ATLAS Engineering

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