

# Woodworking Tools

Veneer Peeling, Slicer, Jointer and Clipper Knives, Planers Blades, Pressure Bars, Wood Chipper, Flaker Knives, Wear Plates & Components

[www.apexshears.com](http://www.apexshears.com)



Apex Shears is a global specialist in the manufacture of a wide range of Knives & Blades for the Production of Plywood, Furniture, Engineered Panelboard, Particleboard, OSB, Chipboard and Veneer Industry. Apex provides a full range of top-of-the-line cutting tools and components for these industries.

The world-class durability and productivity of Apex Shears is based on decades of experience and cooperation with customers. Apex's quality is based on state-of-the-art production facilities equipped with the most modern and advanced machines and equipment coupled with over 50 years of accumulated know-how & research. We leave nothing to chance!

**The salient features of Apex's Knives, Blades and Components are:**

- **Knives are manufactured from the finest quality steels available sourced from a network of worldwide suppliers ensuring consistent quality knives.**
- **Digitally Controlled Advanced Heat treatment, Tempering and Annealing.**
- **High Wear Resistance, Durability and Impact Strength.**
- **Precision ground Surface, Sharp and Straight Cutting edges.**
- **High Performance, Lower Machine Downtime, Greater Productivity Tooling.**
- **High quality surface finish.**

**We just don't make the tool, but offer the "Total Tooling Solution"**



## Knives for OSB/Panel board..

- **Chipper & Flaker Machine Knives of all types**
- **Counter Knives, Wear Plates, Pressure Lips, Knife Holders and Clamps**

Knives for the OSB/MDF/Chipboard/Panelboard/Particleboard Industry are manufactured to ensure high productivity and excellent chip quality.

These knives are ground to tolerances to ensure uniformity in chip size. The abrasive effect of the wood and wood chips wears down the counter knives and wear plates thereby affecting the chip length. Hence high wear resistance is very important for these parts.

- Chipper/Flaker Knives and components from 8% Cr Steel v/s 5% Cr Steel give better grinding intervals, wear resistance and performance.
- OSB/Flaker Machine Components such as Counter Knives, Wear Shoes, Pressure Lips etc are also made from special wear resistant tool steels designed to maximize value based on customers quality and price expectations.

## Knives for Plywood/Veneer..

- **Veneer Peeling Knives**
- **Veneer Slicer Knives**
- **Pressure Bars for Rotary Lathes and Slicers**
- **Chipper Knives, Jointer Knives for Rotary Lathes**
- **Planer Blades, Nose Bars, Anvils ...**

Apex has an extraordinarily broad and comprehensive range of products for plywood and veneer industries. Apex's factories can supply virtually all types of knives and knife-related components.

- Apex Inlaid steels specially developed for Rotary Lathe and Slicer Applications for the Plywood/Veneer Industry.
- Superior Tool performance + Optimal Cutting Characteristics are achieved through well balanced heat treatment & processing.
- Finished Veneer has to be sufficiently strong, smooth-surfaced and uniform in quality which is only achievable by using high quality slicing and peeling knives.
- A high quality knife guarantees faultless production and helps reduce raw material wastage which in turn yields savings in terms of overall costs.

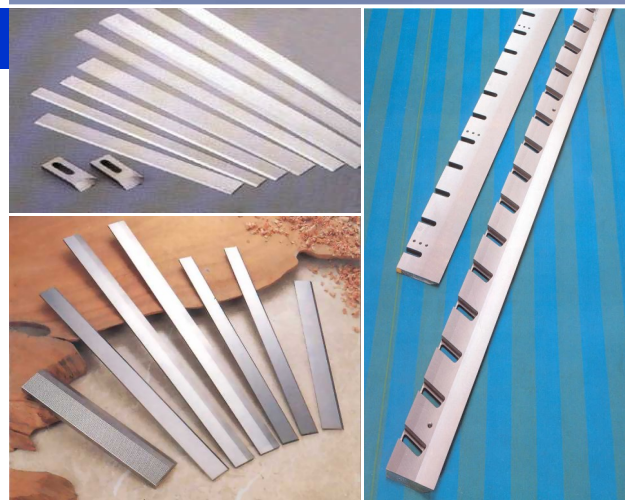
The steel for these knives is specially rolled under the technical guidance of Apex's own engineers. The inlay material for the veneer knives are again manufactured from wide range of steels such as AISI O1, S1, HSS M2 and Solid Steel Knives from special grades of steel such as 8% Chrome Steel.

## Total Cutting Solutions..

The productivity and quality of end products are directly affected by cutting tool performance. Yield, quality and production speed optimization present key challenges for modern Plywood, OSB, MDF, Chipboard, Particleboard and Veneer production.

- Technological Change for Wood Production/Processing + Wood Shortage demands greater Performance from Tooling.
- This is met through Higher Quality and more durable, efficient Knives & Wear Parts able to withstand higher cutting speeds.
- Knives have to retain their sharpness and shape for as long as possible to maximize useful life and increase replacement intervals.

At Apex we have risen to the challenge and are looking into the future and look forward to meeting you there!



# apex shears pvt. ltd

*The Total Tooling Solutions Company!*

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