

Pulp/Paper Knives

Chipper Knives, Counter knives, Anvils, Bark Shredder Knives, Sheet Cutter Knives, Roll Splitting Knives, Log Saw Blades, Slitter Knives & more..

www.apexshears.com



Apex Shears is a global specialist in the manufacture of a wide range of Knives & Blades for the Production of Paper, Pulp, Paperboard, Tissue as well as used in the Printing & Bookbinding 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, and Tempering .**
- **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"

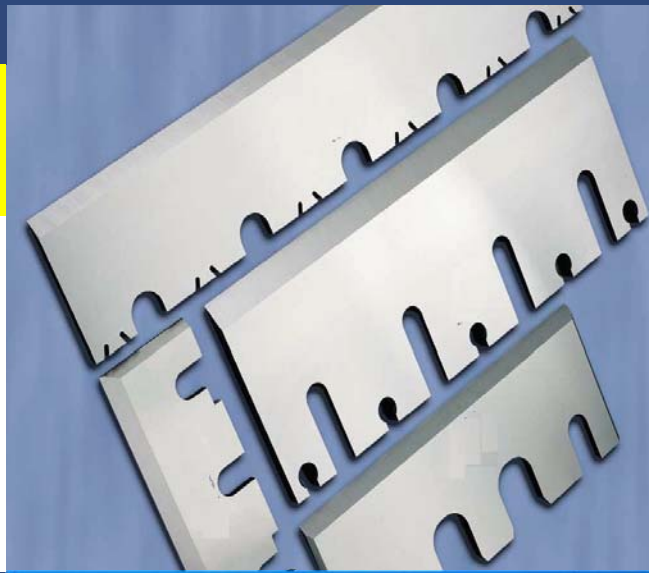


Knives for Wood Chips Production

- **Chipper Knives**
- **Counter Knives, Anvils**
- **Knife Holders**
- **Wear Plates**

Knives & Components for the Paper & Pulp Industry/Wood Chip Production 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 Knives & components from 8% Cr Steel give better grinding intervals, wear resistance and performance. Optional Cryogenic Treatment further extends the durability and grinding intervals.
- Chipper Knives from 5% Cr Steel are designed to maximize value based on customers quality and price expectations.



Knives for Paper/Paper Board

- **Sheet Paper Cutter Knives**
- **Guillotine Machine Knives**
- **Circular Paper Slitting and Rewinder Knives**
- **Rag & Straw Cutters**
- **Beater and Refiner Disc Bars**
- **Trimmer Knives, Core Cutting Saws**
- **Multiple Knife Blocks**
- **Doctor Blades**
- **OEM Knife Blades**

Apex has an extraordinarily broad and comprehensive range of products for Paper, Paperboard Industry. Apex's factories can supply virtually all types of knives and knife-related components.

Apex's Knives are manufactured in almost all popular sizes with lengths up to 4.5meters and diameters up to 800mm in a single piece using alloy steel grades like SAE 52100, AISI D2, D3, O1, O7 and A8. Knives from CPM 10V are also supplied on request. Slitter Knives upto 400mm in Diameter are also manufactured from HSS Steels such as DIN W.Nr 1.3343 (M2), and Powder Metal HSS such as ASP 2023 and ASP 2053.

Apex also supplies INLAID qualities for Bottom Knives, Sheeter Knives, Guillotine Knives etc. These Knives are inlaid with Alloy Steel, High Speed Steel or Tungsten Carbide. Apex's Multiple Knife Blocks are manufactured up to 550mm in diameter with single/double cutting edges with dynamic balancing for high speed slitting.



Knives for Tissue Converting

- **Circular Tissue Log Cutting Saw Blades**
- **Circular Rewinder and Slitter Knives**

Apex manufactures Circular Tissue Cutting Log Saw Blades for various machine types for e.g. PERINI, PCMC etc.

These are manufactured from different steels such as DIN W.Nr 1.3505, or the Popular DIN W.Nr 1.2379. Apex also supplies log saws from HSS DIN W.Nr 1.3343 on request.

These saw blades are perfectly smooth, finely ground and balanced for optimum performance and can be supplied with surface coatings as per the customers requirements for e.g. with XYLAN™ or TEFLON™ coatings.

Apex offers "Total Cutting Solutions" for your Industry!

