



AMERICAN CUTTING EDGE
Industrial Blades & Knives

A division of CB Manufacturing
americancuttingedge.com



CB MAX

LONGER, STRONGER
Metal Slitting Performance





We have Rolls for

Two High Mill
Four High Mill
Roll Cluster Mill
Tandem Mill
Skin Pass Mill

Work Rolls

Our rolls are manufactured to close dimensional tolerances with complete concentricity having sufficient strength, surface quality and wear resistance required for cold rolling operations.

They are manufactured from different grades of steel depending on the requirement and condition of the material being rolled. The Work Rolls, Intermediate Rolls and Drive Rolls usually are made from High Carbon High Chromium tool steel. For more severe applications, work rolls of High Speed Steel are used. For some specialized applications that demand high wear resistance Powder Metallurgy alloys & other special grades are recommended.

To avoid an early wear of the rolling surface, the induction heating process ensures uniform hardness to the desirable depth, without allowing any brittleness of the work roll body and surface. We also have a facility for CRYOGENIC treatment.

Each roll is tested for any surface blemish and they undergo magnetic particle testing and also ultra sonic testing to detect any flaws.

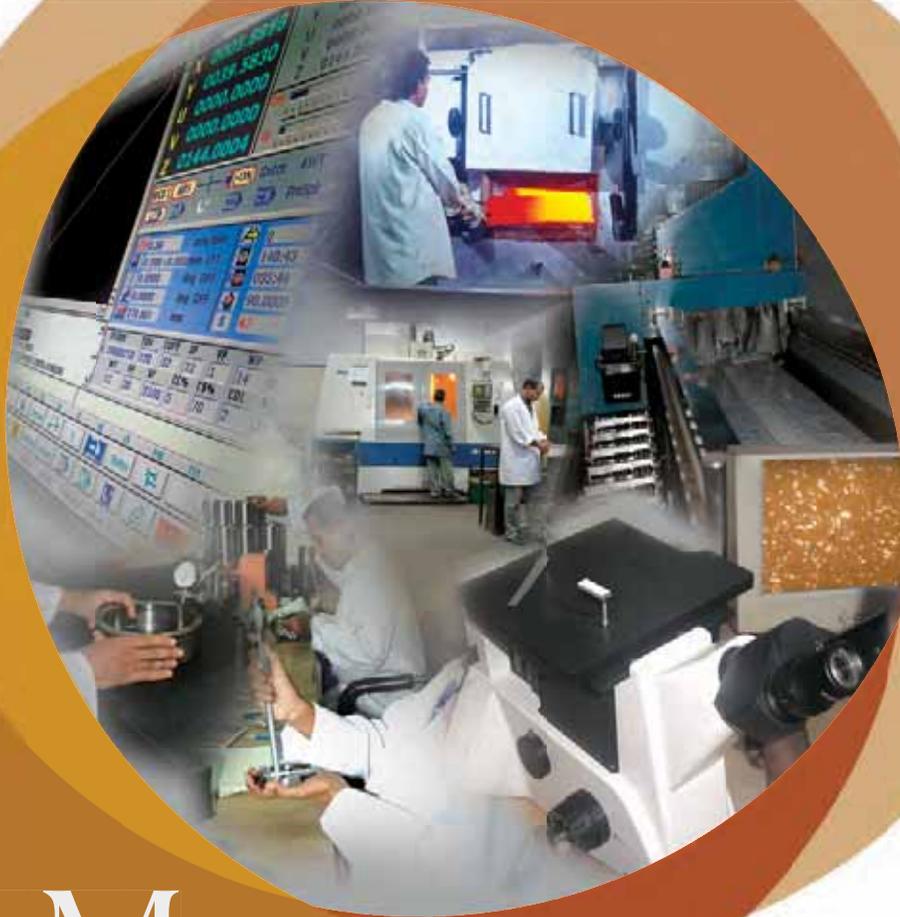
Apart from Rolls for Rolling Mills
we also have Rolls for

Stretch Levelling
Anti Cambring
Straightening Levellers
Cut to length Lines
Shafts

For the last 50 years American Cutting Edge has been serving the Steel Plants, Metal Fabrication Units, Steel Service Centers and Rolling Mills with manufactured tooling like Shear Blades, Slitting Knives, Rolls etc. for their various applications.

Our manufacturers have the finest tool steel, sourced from the best steel mills across the globe. They pay special attention to homogeneity of grain structure as the steel is processed to become a high quality cutting tool. With the latest CNC work stations for machining, an in house Heat Treatment unit equipped with atmosphere controlled furnace & the finest grinding machines, our manufacturers help us to offer you a quality product.

All of this helps us in achieving our quality objective of "Total Customer Satisfaction."



Manufacturing & Quality Assurance

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Slitting cutters are manufactured from tool steel and special alloy steel according to the application requirement. We have manufacturing facilities to produce blades in size up to 23.622 inches in diameter. Closer tolerances and special surface finishes are also possible.

Spacers are manufactured using through hardened tool steel. We offer light weight design and also ultra light weight spacers in special materials which are nearly 65-70% lighter than the conventional steel spacer. The spacers can also be lapped to the highest level of precision.

Bonded stripper rings made from alloy tool steel bonded with Nitrile Rubber (Buna N) or Polyurethane are available in various shore hardness and colors to match your specific requirement.

Separator discs are custom made exactly to user specifications, including taper (double/single) and thickness. Steel separator discs are made from the finest steel, and can be chrome plated to reduce friction between the plate face and the slit edge.

We are also equipped to manufacture shimless tooling.



Shear Blades

American Cutting Edge offers Shear Blades for both Cold and Hot Shearing applications. We offer blades to shear up to 1.25 inch thick material in Cold application and our Hot Shearing Blades can work even at 1000°C. Apart from straight blades we offer blades for different profiles, Angle/T sections, Bars and Wire Rod mills. Our partners are capable of manufacturing Shear Blades up to 173 inches in single segment.

We also offer blades and knives for Billet and Bloom shearing, Scrap Choppers and more. These blades are manufactured from the finest tool steels checked for any flaws at our in house Metallurgical lab. The material selection ranges from high chromium steel to special and super grade steels, ensuring that the blades have the correct toughness, wear resistance, edge retention and work well in all conditions.

Steel grades used for Shearing Blades include:

 High Carbon High Chromium Steel

 Shock Resisting Steel

 Hot Die Steel

 High Speed Steel

 Powder Metallurgy

 Vasco Die

 Nickel Alloy steel



PRODUCT PORTFOLIO

Machine Knives & Blades for

- Metal Engineering & Fabricating Industry
- Cold Rolling & Steel Processing
- Steel Tube Industry
- Recycling Industry
- Pulp & Paper Industry
- Printing & Graphic Industry
- Packaging Industry
- Wood Working Industry

Knife Grinding Machines



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