



YALMAN
KNIVES

**We Invest
in the Future**



Steel Meltshop Spare Parts Supplier



Steel Plant Machineries and Standard
items trader



Industrial Knives and Rolls Producer



Commercial Heat Treater and Tool Steel
Stockist

Nikrotek Makina Sanayi A.S. is heavy construction and welded spare part supplier to steel melting plants.

- Supplies more than 1500 tons of spare parts per year
- Export more than 40 countries



Nikrotek Foreign Trade A.S. has contracted more than 70M€ Project since last 3 years.

- 47 Cranes including Meltsop cranes,
- 100.000 TPY ZINC Recovery plant,
- 220TPD Lime Plant
- 220TPD Lime Plant
- 100TPD lime Plant
- 300.000 TPY Rolling mill equipments
- 6 pcs shear baler 1100T cutting power
- 1 pc Inclined scrap shear 1100T cutting power
- 3 pcs Inclined shears 1250T cutting power



More Isıl Islem Sanayi A.S. is a commercial heat treating and tool steel stockist company has 2 branches where one is located in Istanbul and other one is located in Duzce.

It has ;

2 x High pressure vacuum gas quenching furnace

1 x Vacuum oil quenching furnace

1 x Zero flow Vacuum Nitriding furnace

1 x Sub-zero treatment cabinet





YALMAN

KNIVES

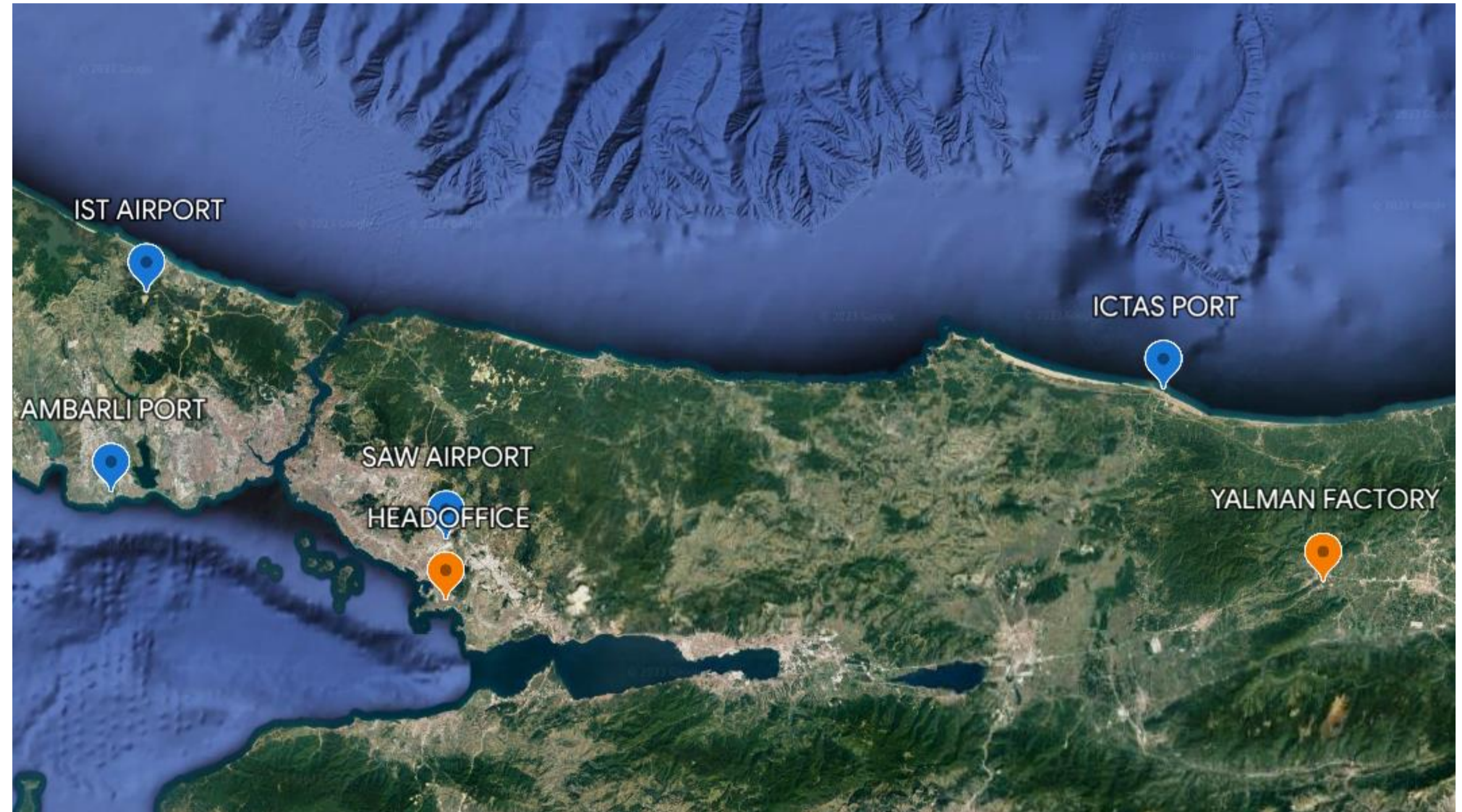
- ✓ Longest lasting machine Knives,
- ✓ Sustainable lifetime quarantee,
- ✓ Fast delivery,
- ✓ Ready stock availability,
- ✓ Best prices,

Valuable Industrialists and Entrepreneurs of Iron&Steel Sector

After many years of experience in Iron & Steel Industry, we are proud to present our brand YALMAN KNIVES and our integrated manufacturing facility for industrial knives and rolls.

As a solution provider for heavy industries, our key to success has always been sustainable quality. In a 3500 m2 production area dedicated to produce machine knives in Gumusova Industrial Zone, Yalman Knives is capable of the overall production process starting from raw material to finished product.

Every sep is in our control; cutting the steel bar from our stock, machining, heat treatment and grinding under one roof. Our Precision machining shop and state of art heat treatment furnaces makes us confident about our products and as a partner for our customers.



Headoffice : Cami Mah. Gungor Sok. No/8 Tuzla Istanbul TURKIYE

- 15 km to Sabiha Gokcen International Airport

- 90 km to Istanbul Airport

Factory : Duzce Gumusova Industrial Zone, 2. Cad. 10. Sok. No:21

Gumusova – Duzce / TURKIYE

- 40 km to closest port

- 130 km to Headoffice



<i>Open Area</i>	<i>: 12.600m²</i>
<i>Closed Area</i>	<i>: 3.500m²</i>
<i>Hall</i>	<i>: 19x83mt x 2 halls</i>
<i>Offices</i>	<i>: 600m²</i>
<i>Electricity</i>	<i>: 1600 kVA</i>
<i>Cranes</i>	<i>: 2 x 10 tons each</i>
<i>Factory</i>	<i>: DGOSB, 2. Cad. 10. Sok. No:21 Gumusova – Duzce / TURKIYE</i>



Dimensional checks and hardness testing are critical in machining parts to ensure that the final product meets the required specifications and tolerances. Various measurement techniques and tools are used to verify the dimensions of the machined parts. Common methods include:

- *Calipers*
- *Micrometers*
- *Digital Gauges*
- *Rockwell hardness testing*
- *Brinell hardness testing*
- *Vickers hardness testing*



Forged and rolled flat bars in stock with different knife dimensions.

Advantage of forged and rolled flat bar;

- Uniform grain size distribution*
- Grain direction,*

Horizontal Machinin Centers;

<i>DMG MORI NHX6300</i>	<i>:1000x1350x1000mm</i>	<i>1ea</i>
<i>Hyundai WIA WH63TM</i>	<i>:630x850x630mm</i>	<i>2ea</i>

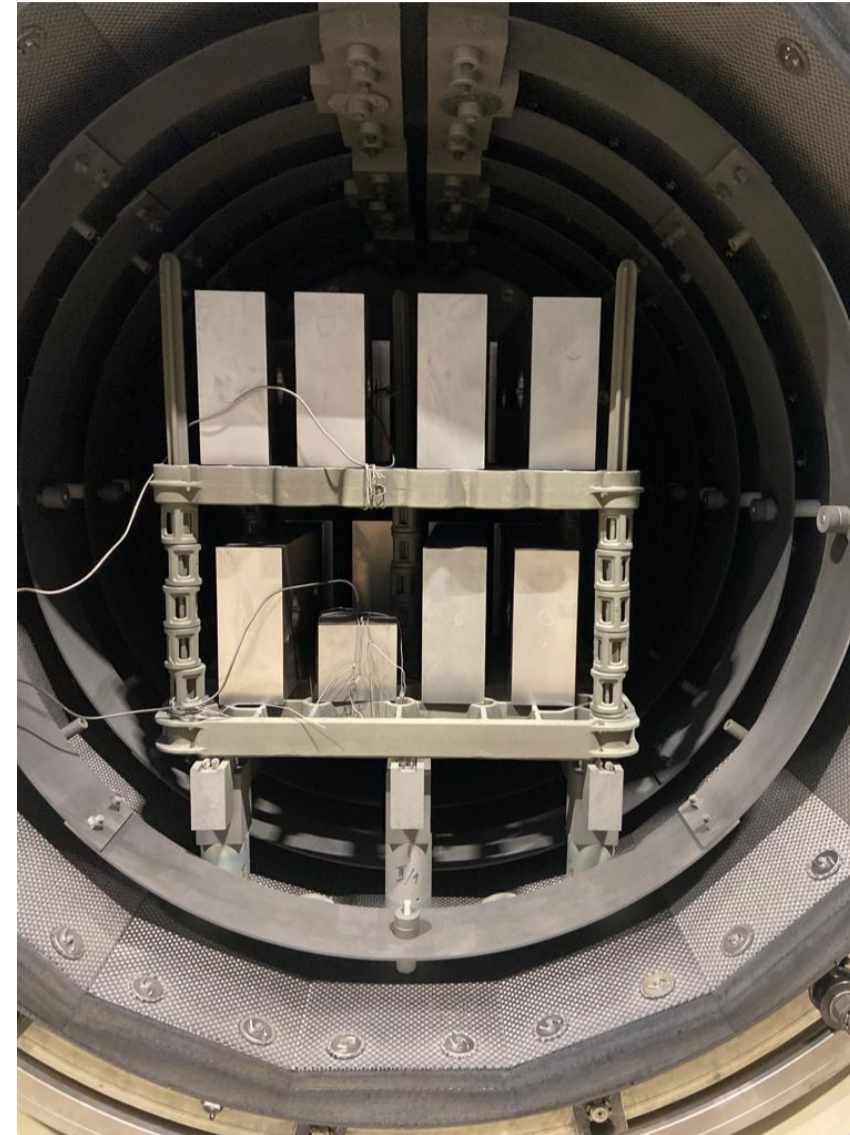
Lathes ;

<i>DMG MORI NLX2500/700</i>	<i>: 10 inch x 700mm</i>	<i>1ea</i>
<i>Hyundai KIA FTS 200</i>	<i>:10 inch x 400 mm</i>	<i>2ea</i>

Bed Milling;

<i>FPT Industrie</i>	<i>: 2500x1000x1200mm</i>	<i>1ea</i>
<i>Kiheung</i>	<i>: 3000x1050x1750mm</i>	<i>1 ea</i>





Quenching Furnaces;

Secowarwick HPGQ-15bar :600x600x900 1ea

ALD Kopp Vacuum oil quench : 350x350x550 1ea

Tempering Furnaces;

Secowarwick ATM669 :600x600x900 1ea

Washing Machines;

Intersonik : 600x600x900 1ea



Grinding Machines;

ELB SWBD 12 VA II	: 1600x550mm	1ea
ELB SWBD 6 VA II	: 500x300mm	1ea
GEIBEL&HOTZ FS 60 AC-SA	: 500x400mm	1ea
GEIBEL & HOTZ FS 100 AC-SA	: 1000x600mm	1ea
GEIBEL & HOTZ FS 1250 SA	: 1250x500mm	1ea

GRINDING





Metal Scrap Recycling Knives

- a. Stationary Shear Knives*
- b. Mobile (Demolition) Shear Knives*
- c. Baler Knives*
- d. Alligator Shear Knives*

Steel Mill

- a. Crop Shear Knives*
- b. Flying Shear Knives*
- c. Cold Shear Knives*
- d. Rollers*



Metal Scrap Recycling Knives

Metal scrap recycling blades are typically used in industrial machines for cutting and processing various types of metal scrap. These blades are designed to be durable and long-lasting, as they are subjected to heavy wear and tear in operation. They are typically made from high-strength materials such as tool steels or carbide, and are often custom-made to meet the specific needs of the recycling industry.

- a. Stationary Shear Knives*
- b. Mobile (Demolition) Shear Knives*
- c. Baler Knives*
- d. Alligator Shear Knives*





An edge view after 25.000 cuts at Heavy Metal Scrap. Total knife is serving roughly 100.000 cuts at this customer operation.

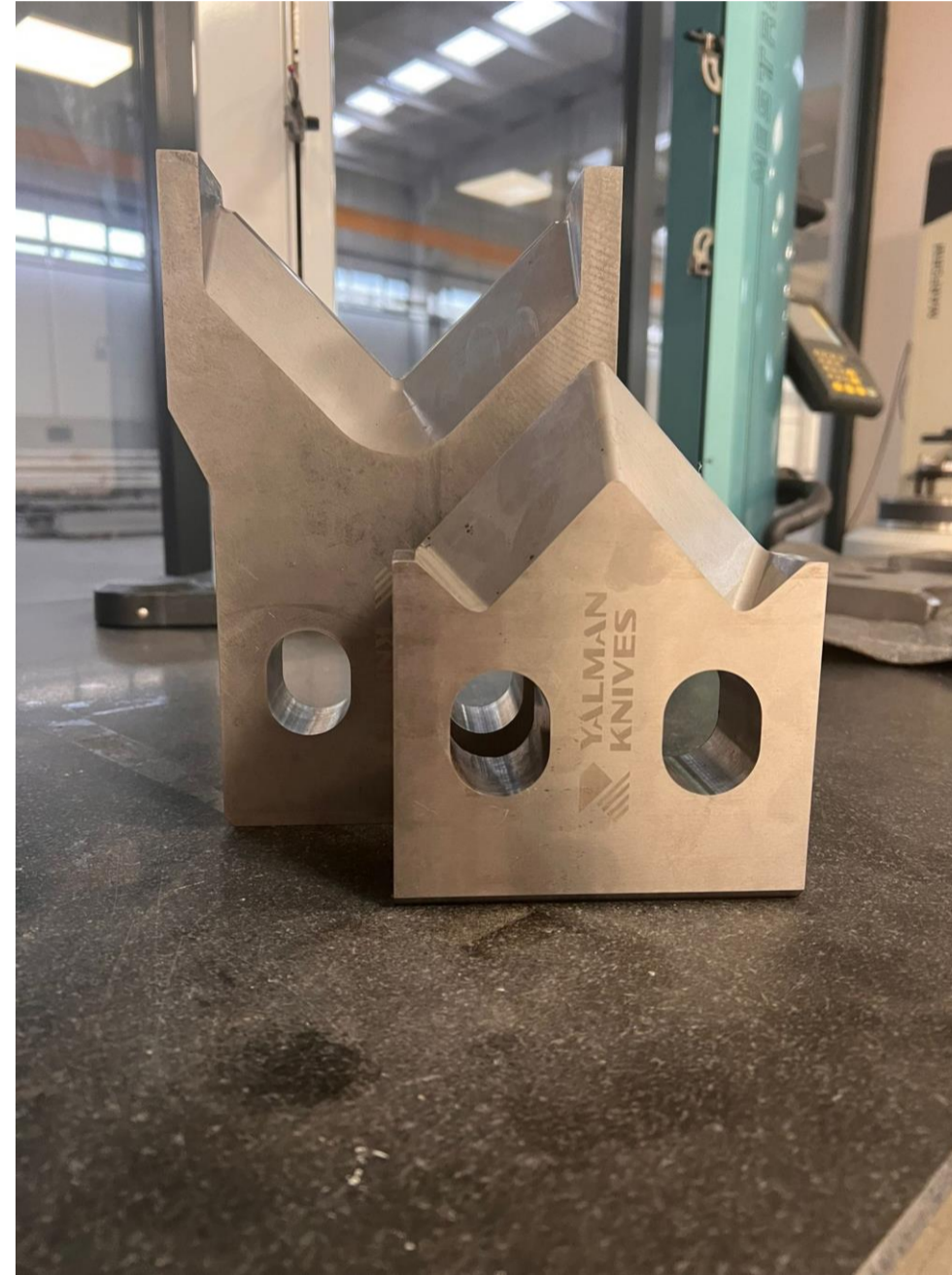


Steel Mill Blades

Steel mill blades are specialized cutting tools used in industrial steel mills for cutting and shaping various types of steel products.

These blades are typically made from high-strength materials such as high-speed steel or tungsten carbide, which are capable of withstanding the extreme temperatures and pressures that are generated during steel processing. Steel mill blades come in a variety of shapes and sizes, and are used for a wide range of applications, including cutting, shearing, slitting, and trimming.

- a. Crop Shear Knives*
- b. Flying Shear Knives*
- c. Cold Shear Knives*







Steel Mill Rolls

Rolling mill guide rollers are components of rolling mills used in the metalworking industry. They are designed to guide and shape the metal as it passes through the rolling mill, helping to ensure that the finished product meets the desired specifications. Guide rollers are typically made from high-strength materials such as tool steel or tungsten carbide, and are often coated with a wear-resistant material to increase their lifetime. The size and shape of the guide rollers depends on the specific rolling mill and the type of metal being processed.

a. Rolling Mill Casette Rolls

b. Guiding Rolls

c. Forming Rolls



Scrap Shears – Shredders – Hammer Mills – Recycling Knives

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THANK YOU