



SIKNIVES...

sij | ravne systems

RECYCLING
KNIVES

MORE THAN 30 YEARS OF EXPERIENCE IN RECYCLING INDUSTRY ENABLE US TO OPTIMIZE YOUR CUTTING PROCESS AND REDUCE DOWNTIME AND TOOL COSTS.

WHY SIKNIVES?

- Tradition and long-term experience in metallurgy
- Consulting and problem solving with competent, skilled and experienced staff
- Best quality tool steel from SIJ - Slovenian Steel Group which is the largest Slovenian steel producer and one of the largest producers of stainless and special steels in Europe
- We use many types of different steels (150) and we choose the most suitable steel to insure the best relations between toughness and hardness
- Heat Treatment in vacuum by knife specialists
- Complete package of spare parts in one place. Products made by SIJ Ravne Systems are our own perfectly fitting, process-optimized SIKNIVES brands and are not original equipment manufacturer parts (OEM) by the machine manufacturer.



PROBLEM SOLVING

SIKNIVES for recycling are custom manufactured and available in a wide range of different steels and hardness.

30 years of R&D experience, co-operation and co-development with granulator and shredder builders (OEM) allow us to customise knives to your special requirements and to your waste materials, thus improving the durability of knives, increasing machine uptime, lowering energy consumption and enhancing machine output.

Strong tradition, high precision and superb quality make us one of the leading global producers of industrial knives.

KNIVES FOR SHREDDING



SIKNIVES for shredding are manufactured from the new generation of steel alloys with different hardening processes (through-hardened, casehardened, nitrided, etc.) and heat treated in vacuum to maximise blade performance.

Our knives are compatible with shredding machines produced by all major global manufacturers, including Lindner, Eldan, Vecoplan, MTB, Untha, Weima, Andritz Mewa, Precimeca, Amni, Granutech, BMH, Columbus Mckinnon...

Knives compatible with more common machines are also held on stock for immediate availability.

KNIVES FOR GRANULATING



SIKNIVES for granulation of synthetic, plastic and other waste materials are produced from the best quality steels (standard, bimetal – Duralife, tungsten carbide, etc.), whereas our heat treatment processes and hardening techniques have been perfected through years of experience to enhance the strength and durability of granulating blades.

Knives from our production can be installed in granulating machines produced by manufacturers such as Herbold, Zerma, Previero, Tria, Cumberland, Guidetti, Folcieri, Profing, Wanner, Piovan, Getecha, Erema...

Ask for Duralife V+ knives!

- Up to three times longer lifetime,
- less grinding and lower service costs.

KNIVES FOR SCRAP METAL RECYCLING



To guarantee the maximum lifetime and best cutting efficiency, scrap metal recycling knives are manufactured only from high-alloyed tool steels. Through-hardening and custom heat treatment ensure optimal hardness, whereas close tolerance ensures a perfect fit.

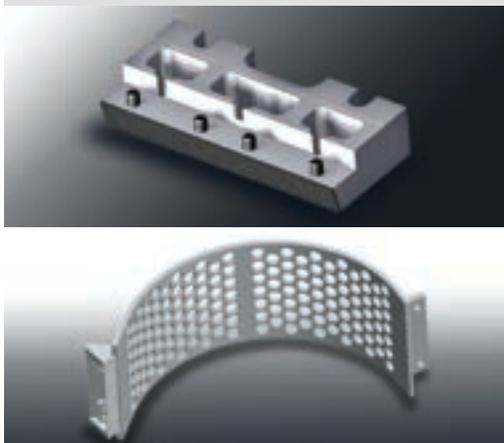
Product range:

Scrap Shear Knives, Alligator Shears, Baler Shears, Demolition Shears, Guide Knives, Shim Plates, Wear Plates.

We produce and supply knives suitable for use with various scrap metal cutting machines made by manufacturers such as:

Lefort, Lindemann, Bonfiglioli...

COMPLETE PACKAGE OF OTHER WEAR PARTS



We offer a complete package of other wear parts such as:

Knife holders

Knife holders are produced from different steels (standard, hard-faced, partially hardened – inductive, etc.) and with different hardness with the aim to optimise wear resistance and performance of knives and machines.

Screens

Screens can be produced in various materials (Hardox, ST52, special wear-resistant material, etc.) and hole sizes depending on applications, wear and your individual requirements.

Bolts, washers, nuts (DIN, non-standard)

Other machine wear parts (Wear plates, clamping bars, blade slides, wear rings ...).

Welding wires for hard facing.

WHY SIJ RAVNE SYSTEMS?

- Ability to offer a wide range of products and services for different industries
- A unique combination of metallurgical and engineering know-how
- Own R&D department for steel development
- Accredited in-house laboratories that perform a wide range of non-destructive tests, inspections and calibrations
- Top product quality resulting from tight integration into vertical chain, from steel-making to final product
- World-wide sales network and presence in more than 70 countries with own sales and distribution centers.



OUR PRODUCTS
HAVE EU ORIGIN

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