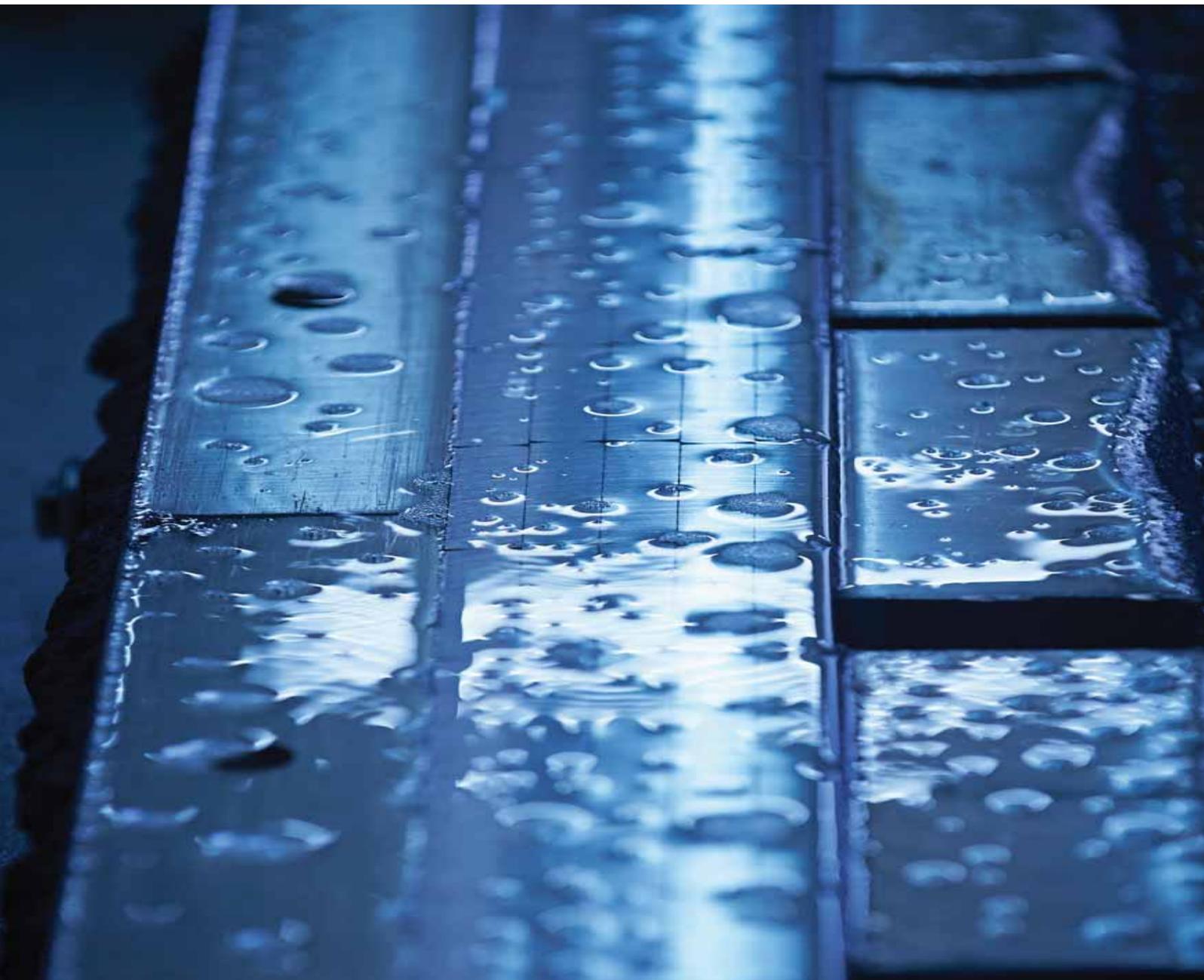


REZALNA ORODJA | CUTTINGTOOLS | SCHNEIDWERKZEUGE

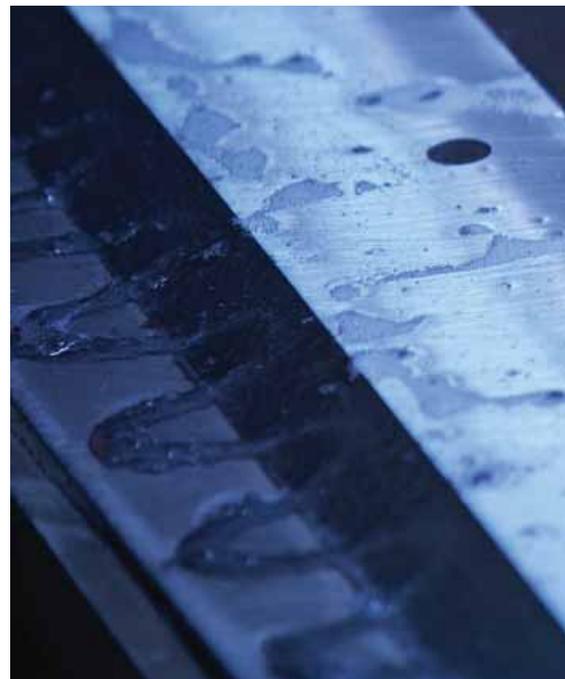


CUTTING TOOLS WITH TRADITION



TRO-cutting tools d.o.o. is advanced company with 135 employees. It offers a wide assortment of products and is amongst the largest manufacturers of industrial knives and wood-working tools in Europe.

The beginning of tool production on the location TRO dates back to the year 1926 when the production of files began in the town of Prevalje. New ideas and know-how influenced new production programs at the factory. We used to be known as a high quality manufacturer of wood-working tools (saws, cutters, borers). Today we are a strategic supplier of industrial knives to the most demanding European machine manufacturers, who expect from their suppliers only the best quality, on-time delivery and competitive prices.



OUR MISSION

- ▶ We support our business partners in their business actions with utmost respect and encourage constant development.
 - ▶ We create an innovative environment for our employees.
- ▶ We take concern in business ethics and are responsible for the environment.
 - ▶ We reward our share-holders with competitive profits for their shares in our company.
- ▶ We constantly care for longterm interest and the existence of our company.

Knowledge accumulated over the decades is a good basis for further manufacturing of quality cutting tools; constant training and updating of our employees is a guarantee for providing quality cutting tools.

TRO d.o.o. is amongst the largest European manufacturers of knives and fingerjoint cutters, and is recognized by numerous buyers throughout the world:

Our products are sold in more than 50 countries worldwide.

We are constantly investing in our equipment, informative technology, development of efficiency and education of our employees, research and development and we encourage innovative ideas.

The investment of educating and qualifying our staff reflects in the willingness to accept new challenges and to master of reforms. Our company appraises anyone with business based ideas, anyone that is determined and innovative and being so, contributes to improving products and management organization.



SALES	<i>continents</i>	6
	<i>countries</i>	50 +
	<i>customers</i>	450 +
	<i>OEM customers</i>	45 %
	<i>diferent products</i>	3000 / year
PRODUCTION	<i>sawing</i>	430 mm
	<i>milling</i>	2600 mm
	<i>turning</i>	500 mm
	<i>grinding planet</i>	4500 mm
	<i>grinding profile</i>	720 mm
	<i>heat treatment</i>	1300 mm

OUR VISION

We are a group of innovative and dynamic individuals, who are passionately united to research and production of the highest quality industrial products, which are intended for the most demanding buyers on the global market.

OUR GOALS

Speed and flexibility.
Partnership and trust.



PRODUCTION

The products are processed in the CNC milling and planing centers and on the modern grinding machines, whereby we ensure proper preparation of tools for heat treatment, which is performed in oil as in a vacuum furnace.

The most precise manufacture is made on wire erosion. The choice of the heat treatment process depends on the selected material and the application of the product. The tempering in vacuum furnaces is computerized, which allows us to monitor and archive all heat treatment processes. The Final treatment of the products is made on grinding machines with appropriate abrasives, which give the product the required final characteristics.

OWN RESEARCH & DEVELOPMENT

Our first aim is to satisfy our customers.

We assure this by respecting specific desires, business flexibility and competitive prices. Our cooperation with worldwide machine manufacturers keeps us updated with the latest innovations on the market – especially in the field of materials and procedures of heat treatment, which adds to the knives required characteristics.

In the construction and technology department we therefore employ professionals, which constantly update to improve our cutting tools as well as our customers savings. We believe that this is a guarantee to longterm research and company's existence.

PROCUREMENT	<i>tool steel</i>	1000 tonnes
	<i>milling tools</i>	400 T€+
	<i>grinding segments</i>	100 T€+
	<i>packaging materials</i>	50 T€+
	<i>logistic services</i>	land, sea, air
	<i>IT</i>	Infor ERP, APS
CAPACITY AND PLANS	<i>current capacity</i>	750 tonnes
	<i>investments plan</i>	800 T€/ year
	<i>sales plan</i>	+15 % / year
	<i>OEM share</i>	60 %



CONSTRUCTION DEPARTMENT

The design of the product starts in the construction department, where updated computer CAD programs are used to design final products and find optimum solutions to satisfy our customers specific needs- from geometric alterations up to using materials, which guarantee best results at high stresses.

Our products are made of the highest quality tool and high speed steel, which we purchase at well-known European steel-works. Besides using proven steel such as 1.2379, 1.2360, 1.2345, 1.2367 and others, we also use powder steel in our production process ie. steel under the name of ASP or K340, which enables our knives to achieve better lasting characteristics.

QUALITY

Our main business principles are high quality products and services with the aim to satisfy all buyers, suppliers and employees. This we achieve by educating, encouraging innovations and constant improvements.

To achieve quality products with high added value, we integrated quality standards to all the company's working processes.

Quality is not only a demand in the company TRO, but it is a way of thinking by all the employees, which reflects back on quality and high standard products.

Quality to ISO standard instructions

To achieve quality regarding our customers demands, we work to the ISO standard instructions. We have a clearly defined vision and successfully execute our responsibility towards quality demands. Constant improvement and training of our personnel to cope with sales, research, production and control, enables our customers demands and desires to be considered in our products.

Our products are made of materials, which can later be recycled. That is why they do not have a particular negative effect on the environment. Legal and other regulations, which dictate the preservation of a clean and healthy environment, are considered when using materials and planning the production process.



Recycling&Plastic



Wood industry



Metal Industry



Paper Industry



Other Product



INDUSTRIES



Recycling & Plastic

THE BEST SOLUTION RECYCLING
WITH TRO KNIVES

KNIVES AND BLADES FOR RECYCLING AND PLASTICS

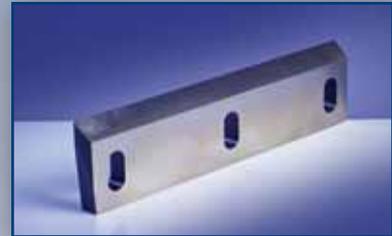
Experts for knives for plastics and recycling

Knives for plastics and recycling are manufactured from finest high alloyed tool steel. Particular alloying elements in these steels are crucial for quality cut, high wear resistance and mechanical stress.

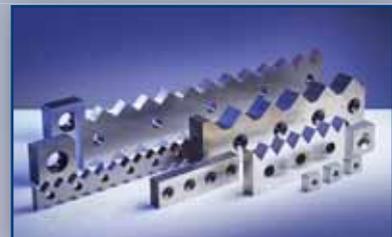
Modern technology equipment for mechanical and heat treatment, own R&D and decades of experience are the reason that TRO knives and blades for recycling and plastics are always manufactured within the required tolerances regarding dimensions and heat treatment. In addition to the standard tool steels we increasingly use innovative steel grades that are purchased only from the best European manufacturers of tool steels.

Due to almost 100 years of TRO tradition in high quality steels we have become an important manufacturer of knives and blades to fit many European machine makers of the equipment for recycling of plastics, rubber, wood, foil and machines for RDF whose machines are delivered worldwide.

GRANULATING KNIVES



SHREDDING KNIVES



CIRCULAR SHREDDING KNIVES



ROLLERS



CIRCULAR KNIVES



PELLETIZING KNIVES



Wood Industry

EFFECTIVE CUT OF YOUR WOOD

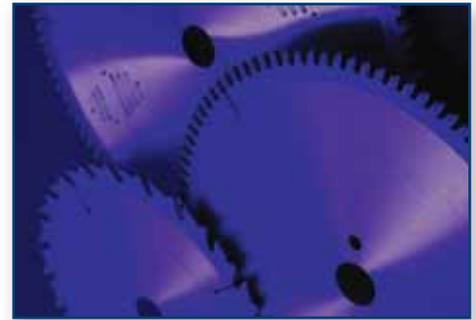
KNIVES AND BLADES FOR WOOD

Woodworking tools – since 1926.

Knives and other tools for the woodworking industry are made of **high alloy tool steel** and **high alloy high speed steel**. Modern technology equipment for mechanical and heat treatment enables that all woodworking tools are always manufactured within the required tolerances. We assure the highest quality standards and a precise saw, blade, knife or some other woodworking tool cuts.

Based on the experiences and years of tradition TRO will offer you the exactly **right tool** for all types of wood.

CIRCULAR SAW BLADES



CUTTERS



CHIPPER KNIVES



Metal Industry

*STRESS TESTED UNDER
EXTREME CONDITIONS*



KNIVES FOR METAL INDUSTRY

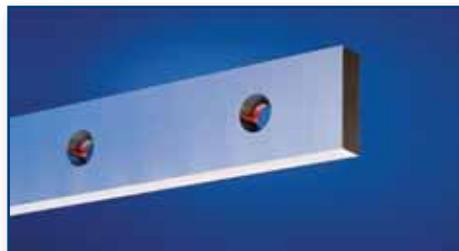
With knives for cutting of sheet metal and knives applicable in the manufacture of different steel profiles of all dimensions TRO provides integral solutions in the production, processing and recycling of metals.

By selecting the most appropriate steel we ensure that for the application in the metal industry the knives achieve the best durability, reliability and precise cut. In ensuring the characteristics of knives for metal, their **heat treatment is very important**, and is provided with the latest hardening technology (vacuum). The continuous training of employees responsible for the heat treatment is a must.

Latest machines for mechanical processing of materials, experience and high-tech know-how enable us precise manufacture, which is crucial in the manufacture of knives for metal.

We perform complete solutions for the metal industry for the most demanding European customers, mainly for the automotive and metallurgical industries.

KNIVES FOR METAL RECYCLING



KNIVES FOR SCRAP SHEARS AND SHEET METAL



KNIVES FOR MILLS



PAPER INDUSTRY

THE SHARPEST OFFER IN THE MARKET



KNIVES AND BLADES FOR PAPER INDUSTRY

Straight and circular knives for cellulose and paper industry, graphics and printing industry, toilet paper industry and other knives for paper.

The knives are manufactured in various grades of materials according to the customer requirements. All TRO knives for paper are hardened under controlled procedures. We use only the highest quality materials to ensure high wear resistance and quality cut.

Most knives for paper industry are manufactured from high-alloy tool steel and high speed steel. It is possible to manufacture them from powder materials.

GUILLOTINE KNIVES



TRIMMER KNIVES



OTHER PRODUCTS

*INTEGRAL SOLUTIONS OF KNIVES
AND BLADES ASSEMBLY*

OTHER KNIVES, BLADES, SAWS, MACHINE PARTS AND PRODUCTS

We are not just a supplier of knives and blades, we provide our customers also with integral solutions regarding the assembly of our products in different brands. Our machinery and technical expertise enable design and manufacture of other metal machinery parts, carbide metals, alloys and other products.

TUNGSTEN CARBIDE



CUSTOM PRODUCTS



MACHINE PARTS



SERVICE AND MAINTENANCE

*BLADE SERVICE AND
PROCESSING OF METALS*

Our advantage is that we can provide our products in standard and custom shapes and sizes. Not only the manufacture and development of industrial knives for different brands, but also complete customer service is an important part of our activity.

With the latest machinery and years of experience in the industrial brand, we are enabled additional possibilities at metal processing and tool service. To your desire, the entire logistics and the final control are our concern.

TOOLS AND BLADES SERVICE



HEAT TREATMENT OF METALS





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