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# CATALOGUE 2007



EUROPEAN  
MANUFACTURER OF  
HAND TOOLS  
SINCE 1919

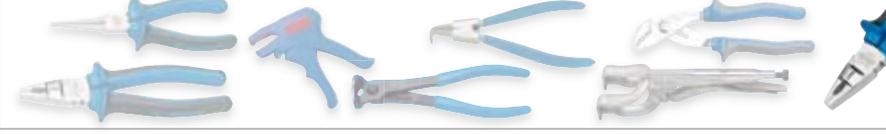
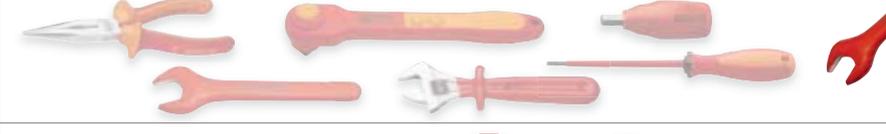
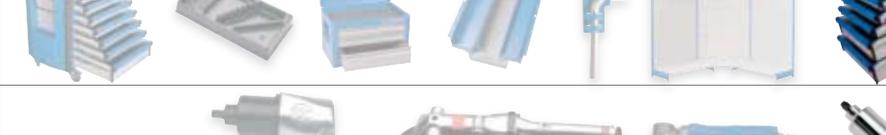
[www.uniortools.com](http://www.uniortools.com)  
[www.unior-bike.com](http://www.unior-bike.com)

**Legend of symbols used in the catalogue:**

	- weight in g.		- flat jaws
	- dimension in mm		- cutting jaws
	- dimension in "		- round jaws
	- number of pcs		- straight half round jaws
	- TX profile		- wire diameter
	- HEXAGON profile		- stripping jaws
	- TX profile with hole		- external lock ring pliers
	- TXP profile		- internal lock ring pliers
	- ZX profile		- jaws form
	- 1/4" internal 4-point		- jaws form
	- 1/4" point		- tube diameter in mm
	- 1/2" internal 4-point		- tube diameter in "
	- 1/2" point		- hammer weight in g.
	- 3/8" point		- profile of chisel clamping part
	- 3/8" internal 4-point		- profile of chisel clamping part
	- 3/4" point		- torque in Nm
	- 3/4" internal 4-point		- torque in lbf.ft
	- 1" internal 4-point		- file file
	- 1" point		- half round file
	- 1 1/2" internal 4-point		- round file
	- 1 1/2" point		- three angle file
	- socket - 6 point		- square file
	- 12 point socket		- spoon scraper
	- screwdriver profile, flat		- flat scraper
	- screwdriver profile, crosstip, PH		- three angle scraper
	- screwdriver profile, double crosstip, PZ		- gear rate
	- internal TX profile		

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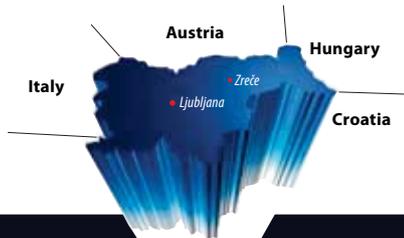
## GROUP FOR GLOBAL SUCCESS

### Four-star globally oriented company

- Partner of the European automotive industry
- Indispensable assistant to professional craftsmen
- Expert on automated metal processing
- Ally of nature and relaxation

### Unior's lifestyle

We believe in a tradition of innovativeness, we convince with our interesting programmes, and particularly have faith in our employees. With our own experience and new knowledge we forge success, worthy of trust.



The UNIOR Group originates from Slovenia from the region of Pohorje, which is famous also for its rich forging tradition. In addition to the parent company in Zreče, the Group comprises manufacturing and sales companies throughout the world. The UNIOR Group is a globally respected provider of superior quality hand tools and other forged products and has validated itself as an expert in tool-making, and especially as a supplier of quality fitted parts to the automotive industry.

UNIOR is one of the leading companies in Slovenia, a country located in the heart of Europe with a population of around 2 million. The company is one of the most important pillars of the economy in this area, for as a Group it employs over 2,500 people, ranking among the largest Slovenian exporters. The growth and success of the Group are directed at the attainment and maintenance of its position among the top five European manufacturers of superior quality tools, the strengthening of partnership ties with the automotive industry and the innovative technological development of mechanical equipment.

The UNIOR Group is boosting competences in all areas of its operations through affiliations with other companies. Through investments into affiliated companies and new programmes, UNIOR further improves the reliability of its operations as the majority stakeholder in the ironworks Štore Steel, ensuring the delivery of quality steel and decreasing risks arising from the supply of materials. The inclusion of companies such as MPP Tehnološka oprema, MPP Inženiring and DaimlerChrysler, which possess specialised knowledge, increases the completeness of the range provided by UNIOR to its partners in the automotive industry.



### Unior Group

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1. Sales company - hand tools program (presented on page 9)
2. Remaining companies in the Unior Group

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*UNIOR realises a third of its sales from its oldest activity – the manufacture of tools.*

*A rich tradition in forging tools, superior knowledge of the latest technological trends, its own development and a selective choice of materials such as chrome vanadium steel ensure exemplary usability, effectiveness and durability of Unior hand tools. Superior materials prevent the premature wearing of the tool, safety elements ensure work without injury, original solutions provide for excellent functionality, while the ergonomic form allows safe, comfortable and easy use of the tools in everyday tasks whether demanding or simple.*

*Based on own experience and new knowledge, we forge success, worthy of trust from forging parts to end products.*

## HAND TOOLS



*The modelling of hand tools is carried out with the help of contemporary software programs such as SolidWorks, Catia, Proinženir and Unigrafik. The design, development and manufacture of Unior hand tools are continuously adapted to the new needs of users. Original design solutions ensure exemplary usability, effectiveness and the aesthetic appearance of the tools.*

*The manufacture of hand tools is carried out on computer controlled machines (Mori seiki, KUKA, etc.) for thermal, mechanical and surface processing and protection of products. Contemporary technologies for material processing and flexible production processes allow us to market our products to the industry according to customer requirements.*

### **Production programme**

*The name Unior is synonymous with professional quality hand tools. The production and sales range comprises wrenches, sockets, pliers, insulated tools for work involving high voltage, gardening shears, plumbing tools, pullers, screwdrivers, hammers, measuring tools, bike tools, metal equipment for workshops for the storage of tools (tool carriage, cabinets, merchandisers, etc.).*

*Tools which Unior continuously adapts to user needs are designed for individual groups of skilled craftsmen such as electrical engineers, electricians, plumbers, maintenance personnel, mechanics, roofers, etc.*





*In the Machine Tools programme we combine two required innovative activities with the area of development and construction of special purpose machines for the processing of metals and reshaping tools for sheet metal. With our own development, compliance with the customer regulations and the inclusion of technical safety regulations, we ensure complete technical-technological solutions, end products, qualitative and quick after-sales service and compliance with contractual obligations.*

### **Production programme**

#### **Machine construction**

*The production programme consists of prototype construction of special purpose machines for batch processing of aluminium castings or forgings. Each such order represents a new challenge, requiring development and the inclusion of state-of-the-art achievements in the area of machine construction and materials technology. The special purpose machine programme comprises:*

- flexible processing cells,
- machines with revolving worktables,
- machines for deep drilling and
- machines for processing ends.

*The high level of expertise, investment into the development of new personnel, modern production equipment and adjustments to customers' wishes are the fundamental principles of our programme.*

#### **Tool shop**

*We supplement our activity with the development and construction of reshaping tools.*

*Tools for deep drawing of sheet metal, trimming, bending and combined tools are a part of the programme, ensuring customers comprehensive solutions from conceptualisation to the final product.*

*Through the use of contemporary simulation methods for material drawing, 3-D design, contemporary multi-axis production machines, testing on the press and five-axis laser trimming of drawn objects, we can assure a complete end product. Today we supply our quality products to a wide range of customers from the automotive and corresponding industries.*

### **References**

#### **Machine construction**

*Competing with European special purpose machine manufacturers, we have, for ten years, validated ourselves as a supplier of machinery to the automotive industry to such renowned automobile manufacturers as VW, Audi, DaimlerChrysler, Getrag Ford, DEUTZ, BMW, etc.*

#### **Tool shop**

*The development and manufacture of reshaping tools is intended predominantly for the automotive industry (VW, DaimlerChrysler, Škoda, Audi, BMW, Renault) and their suppliers (Magna, Benteler, Gedia, Stanztech).*

#### **Certificates**

*The operations within the Machine tools programme (special purpose machinery, production tools for metal processing) are based on the international quality management standard ISO 9001, the automotive industry standard VDA 6.4 and international environmental management standard ISO 14001 for which we have received certificates. In 2005, we received the award for best supplier of purpose specific machinery, awarded to us by VW in Mexico.*

## TOURISM



## Places which are never boring

### **Rogla: for winter and summer delight**

*Due to its unique location and healing climate, Rogla is an excellent place to take a break both in the winter or summer.*

*In the winter, the well-groomed ski slopes at an altitude of 1517 m are the choice for the entire family.*

*When required, ski trails are supplemented with artificial snow. Due to diverse levels of difficulty, both beginners and expert skiers will be sure to enjoy themselves on the slopes. A ski service with ski equipment rental is located on the slope. Those thirsty for adrenaline are invited to visit Zlodejevo, a sledding centre, where one can sled all year around. Cross-country trails are also plentiful and well-maintained. For relaxation and well being, visit the World of Wellness boasting swimming pools, saunas, pearl baths and massage services, located at the Planja Hotel.*

*In addition to the unblemished nature, other reasons for visiting Rogla include the numerous recreational facilities such as the sports hall, swimming pools, saunas, soccer stadium, athletic track and handball and basketball courts.*

*Visitors wishing to stay longer can check in at one of the comfortable hotels: Planja, Rogla and Brinje or stay in one of the bungalows.*

### **Krvavec: where you can ski longer**

*The Krvavec tourist centre lies in close proximity of the capital and offers 26 kilometres of well-maintained ski trails. The ski centre, due to its favourable location at between 1450 and 1971 m above sea level, boasts over 150 ski days a season, lasting from the end of November until the beginning of May, offering excellent skiing conditions on natural snow. The ski runs are variegated and suitable for both recreational and competitive skiers. Due to its additional rich offers in the form of a ski school, ski equipment rental and servicing, beginner's polygon and children's playground, beginners also enjoy visiting Krvavec.*



### **Terme Zreče: health resort with a wide range of offers**

*In the thermal health resort surrounded by the green forests of Pohorje, everyone will find something for themselves. Terme Zreče attracts visitors thanks to its 1,600 m<sup>2</sup> of water surfaces and its vast range of hotel and health offers. A visit to Sauna Village with its six saunas and the Kneipp Trail has a favourable effect on the body's blood circulation and immune system. You will be reborn following a visit to the Sawaddee centre for traditional Thai therapy, where Thai masseuses will help balance the energies in your body. From May to October, the Forest Water Park is open with slides and toboggans that are sure to delight its youngest visitors.*

### **Roman thermal baths: new health resort opening soon**

*The renovation of the Roman thermal baths will be concluded in 2008. The renovated rooms and apartments, rich culinary offer and a pleasant Wellness Centre - together with the group of swimming pools, baths and sauna - are sure to please even the most demanding guests. The renovated Medico Centre with dispensaries, functional and RTG diagnostics premises, operating theatre and a hospital ward will enable the treatment of various illnesses and injuries.*

## GLOBAL TRADEMARK FOR HAND TOOLS AVAILABLE ON ALL CONTINENTS

Owing to its quality, the globally renowned trademark UNIOR guarantees the long lasting use of its hand tools even for the most demanding of tasks. The UNIOR trademark is registered in over 80 countries on five continents.

### Branch network of the Unior joint-stock company

The recognition of the Unior trademark has enabled the branching out of the network of affiliated companies throughout the world, enabling the company to provide quality service to its customers, entry onto new markets and consequently, increase of market share, competitiveness and expansion of its global operations.



### UNIOR distribution network

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## VISION AND EXPERIENCE, WORTHY OF TRUST

- AMONG THE LEADERS IN EUROPE
- CLEAR INSIGHT INTO THE NEXT DECADE
- ALMOST A CENTURY OF DEVELOPMENT

The affiliation and activities of the **UNIOR** Group represent the foundations for its international success. Excellence of operations represents the basis for innovativeness in all areas. Through experience and knowledge and own development, **UNIOR** fulfils the expectations of its customers, employees and owners. The strategy of the Group focuses on permanent development and the improvement of effectiveness and reliability.

**UNIOR**, as a stable and internationally successful business system, intends to strengthen its position as a leading developmental supplier of demanding forgings, sinter parts and components for the automotive industry, become one of the five largest manufacturers of special purpose machines in Europe and the leading tool shop for reshaping tools for sheet metal in Slovenia.

**UNIOR** has already positioned itself among the top European providers of hand tools and until the year 2010 intends to secure itself the position among five top producers in Europe in terms of market share. **UNIOR** boosts its reputation and with it the success of its trademark by fulfilling the needs of specific users to whom **UNIOR** directs innovative, qualitative, faultless hand tools adapted to customers' needs. It develops novelties employing its own knowledge and markets its products using contemporary marketing approaches.

Permanent development has remained the constant in the history of the **UNIOR** forging industry. Its history reaches back to the first ironworks at Pohorje.



### COMPANY WITH PROOF OF INTERNATIONAL EXCELLENCE

#### QUALITY STANDARDS

- AWARDS FROM CUSTOMERS
- RESPONSIBLE ENVIRONMENTAL MANAGEMENT STANDARDS
- SOCIALLY RESPONSIBLE COMPANY

#### Responsibility to the environment

By setting up an environmental management system according to the requirements of the international standard ISO 14001, the company **UNIOR** has adopted environmental protection views and legal requirements and taken steps to prevent possible accidents and extraordinary situations. The environmental management programme focuses on reduced use of resources, improvements in technological processes and the decrease of negative impacts on the environment.

The objective of the programme is to contribute to the positive economic and environmental condition of our environment.

#### Excellence through quality

Quality systems according to international norms with prescribed guidelines are the guide to achieving objectives, effectiveness and success and for improving all areas of operations.

**Unior** has introduced into its business system and received certification for the following systems:

- quality management system in compliance with the requirements of the standard ISO 9001,
- environmental management system in compliance with the requirements of the standard ISO 14001,
- quality assurance system for the automotive industry in accordance with the requirements of the following standards: - ISO/TS 16949, VDA 6.1, VDA 6.4.

#### CORPORATE RESPONSIBILITY

We are proud of our ability to listen to the needs of the community, providing moral and financial support to the wider social environment. We are acutely aware of the importance of active and responsible engagement in the wider social environment and seek to help individual organisations and societies by raising awareness and providing funding. The **Unior** joint-stock company feels an obligation to contribute to the development of the town of Zreče through investments and the development of tourism, contributing to the improved quality of its fellow residents and the overall progress and prosperity of the region. **Unior** also sponsors and donates money to initiatives and one-time events hosted by societies and organisations.

The company sponsors and donates money to a number of cultural, sporting and charitable projects every year.



## THE RIGHT TOOL FOR THE MOST VARIED TYPES OF CRAFTSMEN

- UNIVERSAL TOOLS
- TOOLS FOR SPECIFIC ACTIVITIES
- OPTIMUM RATIO BETWEEN QUALITY AND PRICE

In addition to its indispensable universal hand tools, UNIOR consistently enriches its selection of tools designed for individual groups of craftsmen – maintenance personnel, service people, machinists, electrical engineers, electricians, plumbers and other professional users. This special group of tools is also oriented towards craftsmen for the repair and maintenance of bicycles. The latest group of special tools includes special pneumatic tools. All professional users of UNIOR tools are delighted with the workshop tools tailored to their needs.

The designs of all tools are based on a complete understanding of the needs of individual users, thus it is not surprising that UNIOR tools ensure a high level of customer satisfaction – even for the most demanding of tasks.

A great number of UNIOR tools are patented. They are distinguished by a well-thought out concept to ensure effective operation with as little physical effort as possible, and possess an ergonomic design and a long life. Original implementing solutions ensure the exemplary usability of the tools with regard to their purpose and an aesthetic appearance.

A special advantage of UNIOR tools is the optimum ratio between quality and price. The extreme durability and long lives of UNIOR tools are assured through quality materials and strict controls during all stages of production.

**Whoever searches for quality will find that Unior is the right partner for them. Whoever seeks professional tools will find them in Unior tools.**

## OUR GUARANTEE IS OUR PROOF OF QUALITY

- GUARANTEED FREE REPAIRS
- COMPLIANCE WITH DIN AND VDE STANDARDS

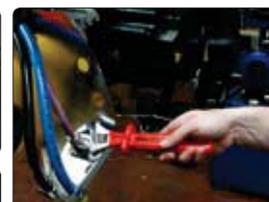
All UNIOR tools come with a guarantee, with which the company vouches for the quality materials used and superior manufacture. Upon correct use, UNIOR will provide free repair and the exchanges of tools which users have not modified without the consent of the UNIOR company. The guarantee is valid for damage which has not arisen due to improper use or wear and tear. UNIOR also ensures an adequate service network in all countries where it markets its tools in cooperation with its distribution companies.

Our concern for safe, effective and reliable use is incorporated into the entire process of design and manufacture of UNIOR tools. The process is carried out in compliance with all provisions of DIN and VDE standards. These standards also prescribe instructions for the safe use and maintenance of the tools.

Compliance with standards is constantly monitored. UNIOR acquired its first certificate from the German institute VPA in 1988. This institute examines hand tools against the latest DIN standards in effect in the world. Unior received the VDE certificate, issued by the German institute VDE – “Pruf und Zertifizierungsinstitut” for pliers and screwdrivers in 1991.

UNIOR was among the first manufacturers of hand tools in Europe to comply with the ISO 9001 quality standard. The company obtained the quality certificate for production as well as for the development and marketing of hand tools and sheet metal packaging for hand tools.

The company also substantiates its position among the leading providers of quality tools through its full membership in the European Tool Committee (CEO).



## KEY MILESTONES OF THE UNIOR JOINT-STOCK COMPANY

### **From Styria to the world**

At the outskirts of Pohorje, the first ironworks (foundries) appeared in the 8th century. They predominantly operated as larger forges producing agricultural tools and tools for craft trades.

#### **1919**

Štajerska železindustrijska družba z omejeno zavezo (Styria Iron Works Company Ltd.) with the shortened name Štajerska Zreče was established. It manufactured forged hand tools for farming, forestry, and various craft trades.

#### **1950-55**

The foundry, after being destroyed by fire during the war, was partially rebuilt and renamed Tovarna kovanega orodja Zreče (TKO) and came under public ownership. New capacities (a tool shop and plant for mechanically processed hand tools) gave impetus to the development of two production programmes: hand tools and drop-forged parts.

#### **1960-70**

- The plant with a new development vision also got a new name: Unior, tovarna kovanega orodja Zreče. The new name is a newly coined formation of the two words universal tools for which the factory was already well known.
- Unior commenced the construction of the Rogla climatic health resort and Olympic centre at the nearby Pohorje, and a few years later, the health resort Terme Zreče, thus giving birth to the Tourism programme.

#### **1970-90**

Unior validated itself as an important partner of the European automotive industry, as one of the largest European manufacturers of light forgings and connecting rods for gasoline engines. The first steps in development were accomplished through a contract with the Renault Group on the basis of which a joint-venture plant for the manufacture of forgings was later constructed in Zreče in conjunction. Parallel to this was the development of constant velocity joints and machine tools, initially intended predominantly for Unior's own needs.

#### **1990-present**

- Unior evolves into a successful Slovenian company with consolidated international partnerships and transforms into the Unior joint-stock company. From its very beginnings, the corporation has operated in compliance with the requirements of the ISO 9001 quality standard.
- The company establishes its own commercial enterprises throughout the world.
- The company establishes the mixed production company Štore Steel d.o.o. – steelworks, the company UNIDAL d.o.o. at Vinkovci in Croatia for the production of forging parts, the mixed company STARKOM d.o.o. together with Daimler Chrysler for the production of automobile components, the company UNIOR AQUA d.o.o. at Priština in Kosovo for the production and sale of mineral water and coolers, Ningbo Unior Forgings Co. Ltd. in Yuyao in China for the production of forging parts exclusively for the Chinese market and UNIOR Components d.o.o. in Kragujevac in Serbia for the production of machine tools.