



since 1961

PASSION FOR TOOLS



WURO: AT HOME ANYWHERE IN THE WORLD

In a highly competitive market, quality awareness and the courage to be innovative are essential constants for every company. We at WURO have treasured these virtues since 1961. Building on this, global distribution and a constantly growing international network of customers and partners has emerged.

CONTENTS

- 04// **Good reasons for choosing WURO**
- 05// **Portfolio**
- 06// **Special tools**
- 08// **Individualised standard tools**
- 12// **Metal and plastic parts**
- 14// **Services**
- 18// **Job order production**
- 22// **Certified quality**

TOOLS WITH THEIR SPECIAL SHAPE AND OUTLINE



A PASSION FOR TOOL MANUFACTURING

For more than 60 years, we have been helping to solve problems with our individually produced tools. Because our aim is to put the right tools for every challenge into your hand. In the process, the task defines the form – thus, your unique tool with which you make your work easier and more efficient across all industries develops in the interaction between design and

production. The best thing is: even single item production and small batches are absolutely not a problem for us.

Even tried and tested classic tools become an individual highlight with us. You specify the design, the quantity and the packaging, we take care of the rest. The helpful use of our machines for contract processing, the production of individual metal and plastic parts, and a wide range of individualisation options from laser engraving through to heat embossing complete our extensive portfolio. Experience the personal service and the excellent quality of materials and products which our customers always value from us now.



Make the tool your tool.

Find out more at www.wuro.de or preferably in a face-to-face meeting.

Jens Giabeler & Uwe Uebach
Managing Director

Managing Director

GOOD REASONS FOR CHOOSING WURO

When it's all about producing the best tool for each area of application, there can be no compromises.

For this reason, we place great value on the excellent durability of our products, on consistent compliance with all safety standards, and on personal contact in order to be able to react flexibly to your requirements at all times.

01 Strong tools „Made in Germany“
Trust in quality standards which have been tried and tested nationally and internationally for decades.

02 Individual and tailor-made tools
Our area of expertise is the design and production of individual special tools to meet your requirements.

03 Certified, top-class quality
Numerous awards attest to the quality of our products and work processes.

04 Decades of experience since 1961
Tools have been our passion for decades. Experience which you can feel.

05 Wide ranging product portfolio
From individualised standard tools through to unique special tools and everything in between.

06 Extensive production facilities
Thanks to our large machine park, we manufacture most of the components right on site, all in one place.

07 Always the same competent contacts
Personal, friendly contact directly on site instead of an anonymous call centre. That's what we mean when we say service.

08 Reliable product safety
Compliance with all relevant safety standards is a matter of course for us.

09 Flexibility and partnership
Our excellent partner network allows us to offer varied and tailor-made solutions.

10 Short decision-making paths, quick results
Our divisions are perfectly interconnected in order to react quickly and flexibly to your requests.

Special tools

Individualised standard tools

Metal and plastic parts

Job order production



See for
yourself!

www.wuro.de/company

SPECIAL TOOLS



You have the task. We have the tool.

With standard tools, some tasks are really difficult to carry out. And yet, things could be much easier, using unique specialised tools designed and manufactured by us in close consultation with you. This makes your task much less awkward and, at the same time, much more efficient. The focus here is on a successful individual solution, not sales figures and quantities. We can deliver any quantity you want, from an individual item to series production. So, there's no risk involved and you can enjoy the benefits of your unique tool.

THE ROAD TO A CUSTOMISED SPECIAL TOOL

01

Idea & design

In close consultation with you, we design the tool with your individual requirements in mind. Either you already have a precise idea and need someone to put your drawings into practice, or you describe the problem to us and we'll find the solution.

02

Developing the prototype

After the planning phase, we manufacture a prototype which you can then check and test thoroughly to make sure the tool does exactly what you need it to before it goes into series production. This way, you have plenty of time to convince yourself of our quality without any risk.

03

Series production

We will produce whatever quantities of your special tool you need, from single units to a large-scale series. As we have no minimum order quantity, you can calculate precisely and will only receive the exact number required. Once manufactured, a larger series can be produced quickly, if demand arises.

04

Completion

So, that's the step by step manufacturing process for your very own tool, which is as individual as the task it was made for.

Make the tool your tool.

Find out more at www.wuro.de or preferably in a face-to-face meeting.



Characteristics of the blade/point

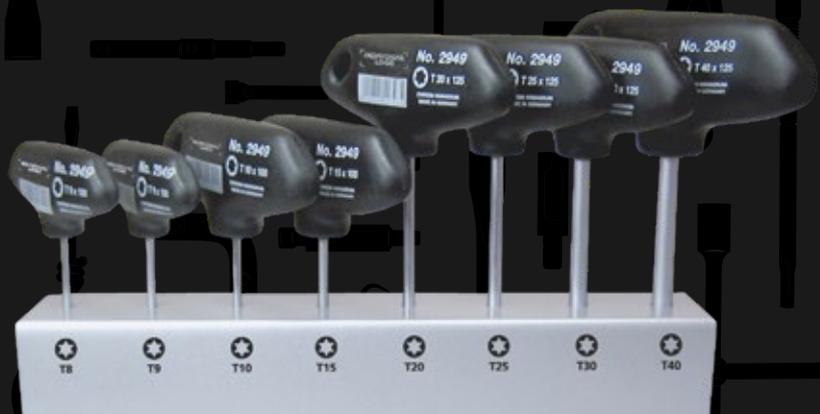
Our blades are made from high-alloy special steel. We thus achieve robust blades with very high hardness and torque values. A wide selection of surface finishes give the blades the final polish:

- > chrome-plated with black tip
- > chrome-plated, matt
- > chrome-plated, mirror finish
- > nickel-plated
- > galvanised (coloured)
- > black finished / zinc phosphate plated
- > AntiCor®
- > DIAMONDgrip®
- > TIN

INDIVIDUALISED STANDARD TOOLS

Quality has a name: Your name.

Screwdrivers should never slip out of the screw head. They need a tight, precise fit, excellent power transmission and a secure grip. Our tools provide more: your name. Besides high-quality materials and first-class workmanship rooted in long-standing experience, our tools are also printed, lasered and designed in accordance with your quite specific ideas. So, your name also stands for corrosion-resistant, diamond-coated tools made in Germany.



Characteristics of the grip

For a secure and comfortable grip, we can offer you a selection of different plastics.

- > cellulose-acetate (CA)
- > polypropylene (PP)
- > fibre-glass reinforced polyamide (PA)
- > thermoplastic elastomers (TPE)



01

Screwdrivers

WURO is a specialist in developing and manufacturing quality screwdrivers. For making our high-grade screwdrivers, we work with the latest one-component or multi-component injection-moulding technology and with round, square and hexagonal special grade steels. For each special application, WURO uses different materials. All screwdrivers are available in a range of different surface finishes. Our extensive self-manufactured product assortment has now been extended by stainless steel and diamond-coated screwdrivers.



Insulated screwdrivers

When manufacturing insulated safety tools, it is absolutely crucial that they be checked in accordance with the most stringent safety criteria.



Screwdriver bit tips

You can have high-quality finishing applied to our bits to meet your demands. The available possibilities are wide-ranging:

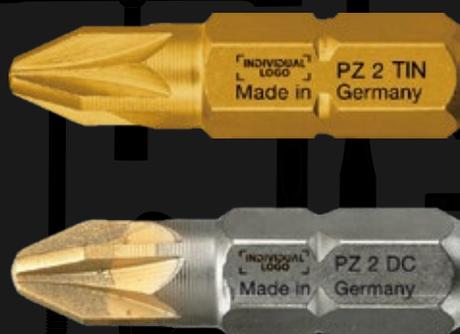
- > Basic
- > TIN
- > AntiCor®
- > DIAMONDgrip®



02

Bits & magnet holders

When it comes to screwdriver bits & magnet bit holders, WURO can supply everything for DIY and professional needs from its wide-ranging product assortment and can offer you the complete range of power tool screwdriver bits. Besides bits, many different models of magnetic and non-magnetic bit holders are available, as well as bit drills, adapters and countersinks.





Finishes

Whether shiny, matt or coloured – choose your own individual finish.

- > chrome-plated, matt
- > chrome-plated, mirror finish
- > nickel-plated
- > galvanised (coloured)
- > black finished / zinc phosphate plated

03

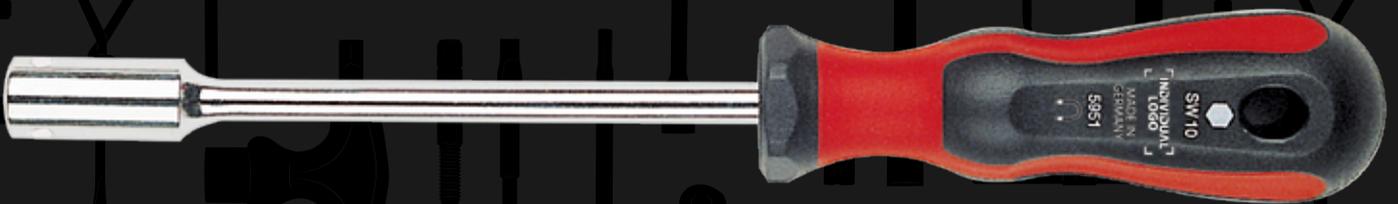
Allen keys from WURO are manufactured from special steels and are extremely versatile. They are available as chamfered or unchamfered, stamped or unstamped models, as well as with ball ends. We supply our hexagon keys in all metric sizes from SW 0.7 mm to SW 65 mm, and in imperial sizes of SW 0.028 inch to SW 1 inch. We manufacture hexagon keys to DIN/ISO 2936 (DIN 911, DIN 911L) or DIN 6911. Thanks to our own quality management and especially high quality heat treatment facility, we significantly exceed all DIN/ISO specifications for hardness and torque parameters essential in this field.

Profiles and shapes

The key to fit every requirement: hexagonal or TORX®, ball-head or angular – the choice is yours.

Handle

To guarantee a secure grip for all tasks, we provide all your hex or Allen keys with ergonomic handles.



04

Nut drivers

As the production of nut driver blades is one of our main focuses, the product portfolio in this field is extremely diverse. You can choose from loose nut driver blades to DIN ISO standards, socket wrench inserts and nut spinner screw drivers with normal or t-handles. Insulated VDE nut driver blades and ready VDE nut spinner screwdrivers are also part of our standard programme. Our nut driver blades are available in all the usual metric (1.5 - 19 mm), imperial (inch) and „BA“ sizes.

METAL AND PLASTIC PARTS

The right item, whatever the task

You just need a few important metal and plastic parts to complete your products? As an experienced single-source tool manufacturer, we are just as familiar with processing various metals as we are with injection moulding processes for a range of different plastics. We know all the benefits of the various materials and can therefore offer you not only practical assistance but also advice. With our wide range of manufacturing possibilities, we're sure to have the right one for you.



Get to know our
portfolio.

www.wuro.de/metal-and-plastic-parts

WE STYLE YOUR PRODUCT

With our wide variety of production and individualisation options, we give your items the final polish.

Does your product still need an ergonomic grip made from robust plastic? Your workpiece doesn't have the right shape yet? The item should bear your name and your logo? No problem – we shape appropriate solutions from plastic and metal.

01 Design
We put our hearts into tool manufacturing – and our heads, too. That means, we not only guarantee precise and reliable manufacturing, but also great attention to detail in our planning and drawings to ensure a perfect result.

02 Injection moulding
The most suitable plastic component for every requirement in various hardness grades.

- > Plastics technology
- > One-component process (1K)
- > Multi-component process (2K)
- > Granulate recycling

03 CNC processing
Our modern technology enables us to process metals with the greatest precision.

- > Machining
- > Drilling
- > Milling
- > Turning
- > Profiling

04 Marking/Labelling
Make your products and packaging unique and instantly recognisable by applying your logo and colours.

- > Pad printing
- > Hot embossing
- > Laser marking
- > Labelling

05 Cold forming
We treat metals carefully and put them into any required shape.

- > Bending
- > Punching
- > Cold forging



SERVICES

From the idea through to packaging

WURO means service at every stage of your product. Tell us your requirements and we will develop a solution together which we can directly turn into a functional reality.

Unique custom-made products are part of our extensive portfolio here, as are series productions in any volume. The right packaging in your own corporate design rounds out our integrated service principle.



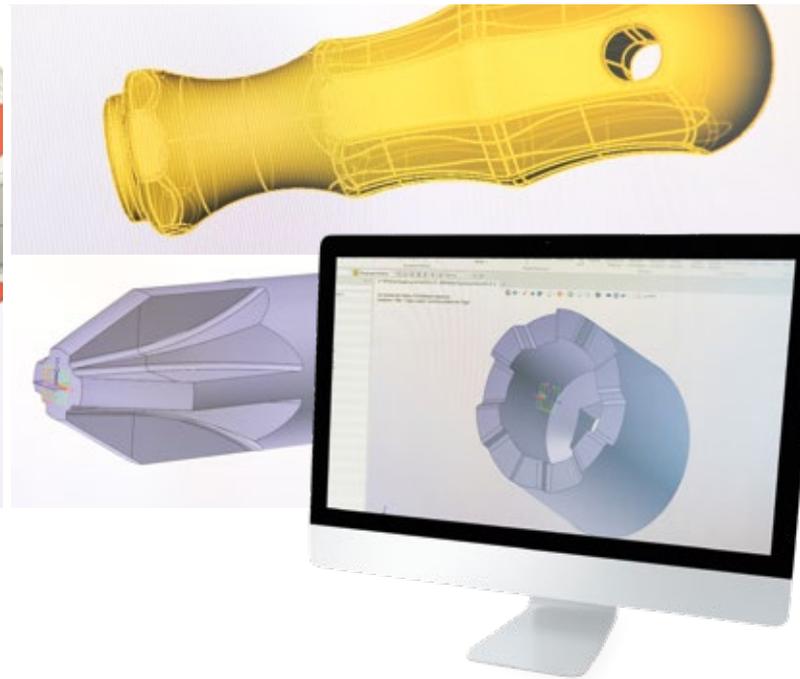
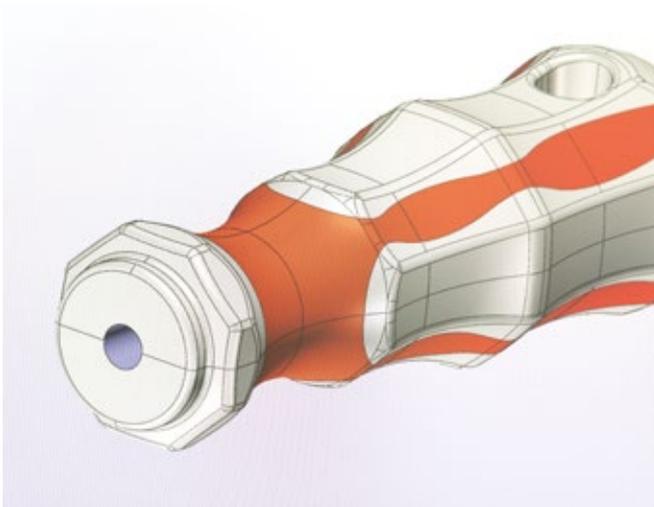
More information on
our website.

www.wuro.de/services

DESIGN

Before our machines are put into operation to make individual components from the various metals and plastics, we plan every step with the utmost care and attention. Every detail is taken into consideration and the necessary calculations carried out. This way, we can provide you with the best possible support through every step of the manufacturing process and

use our experience to point out potential problems before they even arise. But we don't rest on our experience – for you, we are always on the lookout for fresh ideas and the latest in scientific knowledge, so that we'll always be able to provide the ideal solution for every requirement.



MARKING & ORDER PACKAGING

Marking

Every plastic part and every packaging can, on request, be customized in its design. You not only decide which colours are used, but can also have your company logo, advertising

slogan or other information placed prominently on your products, by means of various marking processes. This enables you to increase brand recognition and provides your product with a personality of its own.



Order packaging

From individual items to large quantities, we will make sure your products have a secure and practical packaging – also customized of course in your chosen colours and with your logo.



CNC PROCESSING

Our modern machinery enables us to carry out the various machining processes, like turning, drilling and milling with millimetre precision. Fortunately, all paths are short, as all machines

can be found at our Freudenberg location in the Siegerland region of Germany. Take advantage of our machines' flexibility and the experience of our staff to achieve convincing results.

01 **Turning**
Perfection through rotation: metals are given precise contours here.

02 **drilling**
Precise holes with flexible diameters for a multitude of functions.

03 **Milling**
High-precision milling: the right shape for your requirements.



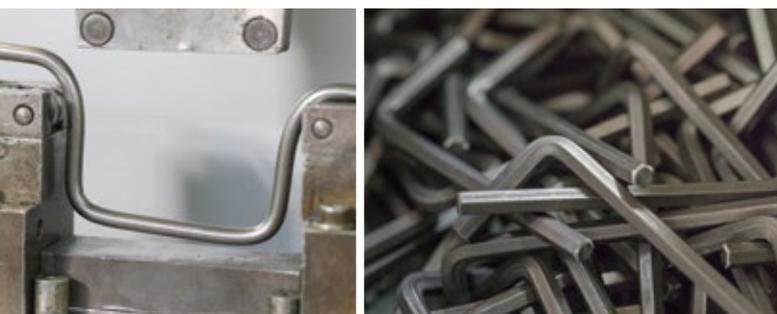
COLD FORMING

Our metal working portfolio covers the great variety of methods for cold forming, bending, punching and cold forging. This way, we can get your components into the right shape and manufacture them according to your exact ideas, whether for further processing or as a separate service.

01 **Bending**
We give tubes, rods and sheets the right shape.

02 **Cutting**
The desired geometries are powerfully pressed out of the metal.

03 **Cold forging**
Your products get the desired shapes and material properties.



FINISH

The right finish for every tool: Choose the right one from a wide variety of finishes for your bits and screwdrivers and ensure a

perfect hold, safe working conditions and optimal compatibility of materials. You have the choice!

Chrome-plated

**Chrome-plated with
black tip**

Black finished

Burnished with insulation

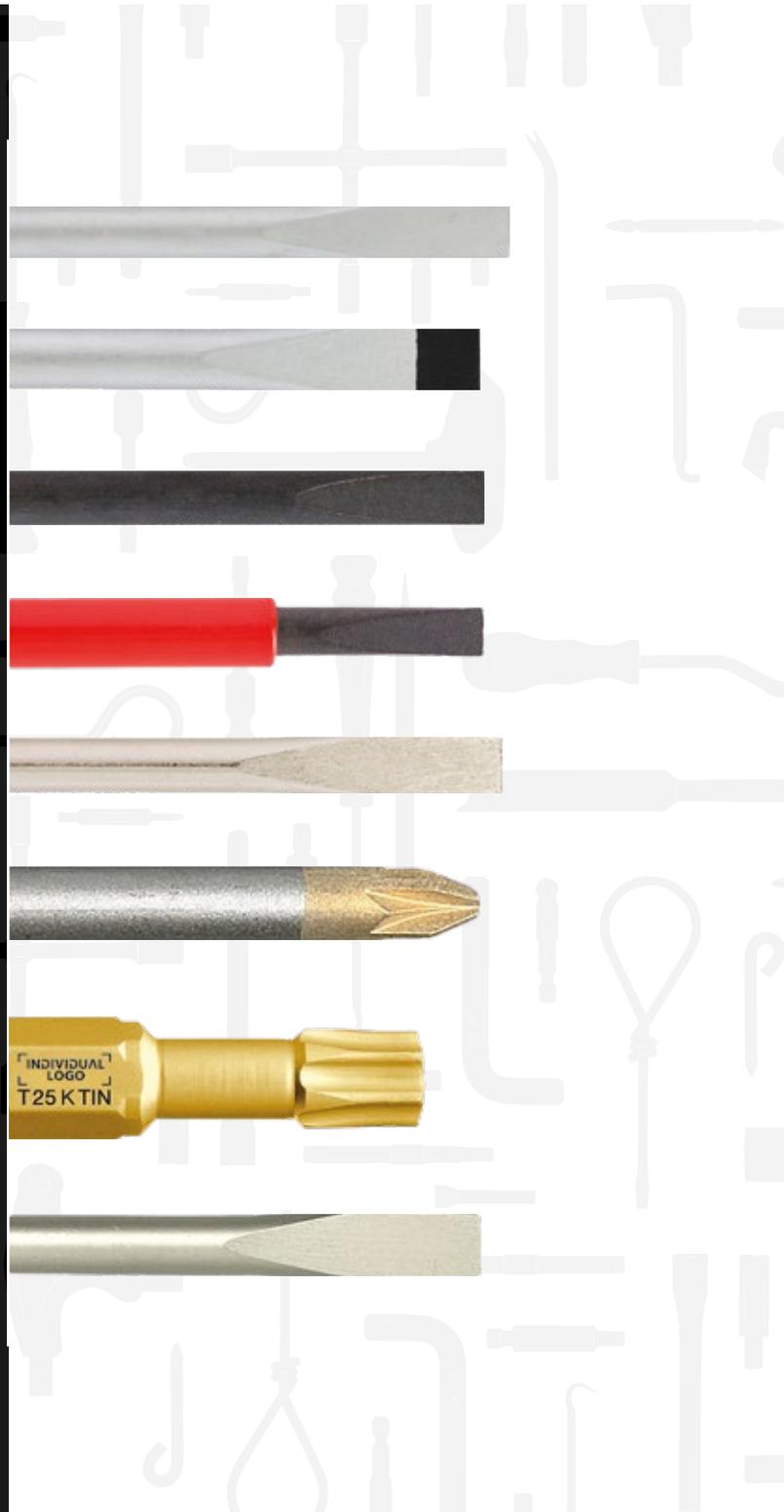
Nickel-plated

DIAMONDgrip®

TIN

AntiCor®

(Stainless steel, rustproof)



JOB ORDER PRODUCTION

Our machines, our expertise – your benefit

Our modern production facilities offer you the opportunity to manufacture your own articles in the quantities you need. You can work your metals in a variety of ways or you can mould plastics on our injection moulding machines in your chosen (company) colours using a single or multi-component process. In addition, we can offer you modern magnetic engineering and a variety of individualisation techniques for applying logos, slogans or labelling to your products. And the best thing for you is that you don't have to invest in any expensive, high-maintenance machinery of your own.

Personal contacts

Certified quality

Flexible all-round solutions

Low costs

Punctual processing

Long-standing expertise

METAL WORKING JOB ORDERS

In manufacturing our products, we attach great importance to perfectly worked materials. When it comes to machining and cold-forming metals, we use a combination of modern CNC machines and conventional processing to give the work piece the required shape quickly and precisely. At the same time, we use

hardening and tempering techniques to make them tougher and more durable. You can also benefit from this. Make use of our production machines and our experts' long-standing experience to achieve fantastic results, regardless of the quantities needed and without the burden of investing in expensive machines.

01 **Turning // Drilling // Milling**
Our precise CNC machines guarantee perfect results.

02 **Cutting // Cold forging**
Each requirement calls for an appropriate shape for your workpieces.

03 **Commercial heat treatment // Commercial quenching and tempering**
Make your workpieces fit and robust for the strains of day-to-day life.



MAGNETIC ENGINEERING JOB ORDERS

Wherever metals are processed, magnets are often not very far away. Our production facilities are equipped to offer you a wide variety of different magnets. You can obtain a great selection of magnetic special tools, from individual items to series production, depending on the intended application. If needed, we can also fit magnets to your existing metal tools.

INJECTION MOULDING JOB ORDERS

The flexibility of plastic components makes them extremely versatile. Soft elements can be manufactured here, as well as more robust parts. Products are frequently manufactured almost completely and only need a handle or some other part to be added in plastic. For this, you can take advantage of our modern injection

moulding machines and the expertise of our specialists to complete your products with components of the same quality and passion that goes into the products themselves.

We process the following high-grade plastics:

01 Cellulose acetate (CA)
Transparent or opaque: the highly impact-resistant plastic made from sustainable raw materials.

02 Polypropylene (PP)
The mainstay for all tools convinces in particular with its feather-light weight.

03 Fibre-glass reinforced polyamide (PA)
Extremely firm hold between the blade and the grip thanks to the high fibre-glass content.

04 Thermoplastic elastomers (TPE)
Comfortably grippy: the soft granulate ensures a firm grip and comfortable handling.



Improved efficiency through careful planning

Reduce your production times through outsourcing of work steps and receive your finished or machined components just in time for further processing.



LABELLING / INDIVIDUALISATION

Our wide-ranging individualisation possibilities enable you to apply company logos, advertising slogans, contact details and other information to your products. Whether it's label printing for individual packaging, resistant printing on the item or elegant laser engraving: our labelling options are perfect for pro-

motional gifts or equipment for the company itself. This way, you can provide a quite normal article with a personal touch and create a lasting impression.

01 **Pad printing**
Perfect for all types of plastic items.

02 **Hot embossing**
All-round printing – as individual as your item.

03 **Laser injection**
Sensationally elegant: filigree laser engraving for all metals.

04 **Labelling**
Informative and chic: the perfect label for your packaging units.



Take advantage of our resources –
find out more now!

www.wuro.de/job-order-production



CERTIFIED QUALITY

... that you can count on

When it comes to making the perfect tool, we attach the greatest importance to the very best quality and place the highest demands on ourselves – both in terms of materials and production processes. For this reason, our internal structures are certified at regular intervals. This makes things transparent, so you can actually see how passionately and conscientiously we go about our work. Simply claiming to do so is something anyone can do.



See for
yourself!

www.wuro.de/certified-quality

Did you know?

Since 2014, we have been members of the select circle of official TORX® licensees, of which there are fewer than 20 all over Europe. TORX® stands for the most secure fit of any blade tip in the screw head. The reason is the characteristic star-shaped screw-head profile, which reduces the effort required to tight-

TORX^{plus}® **TORX®**

en screws, and the risk of the screwdriver slipping out of the screw head, the so-called cam-out effect. Besides, you can work much more effectively with TORX® profiles than with conventional slotted or cross recess drives. As you can see, the benefits of TORX® are more than obvious.



FWI: Deutsches Werkzeug (German tools)

When you see the FWI seal, “Deutsches Werkzeug”, however, you can be sure that the entire tool production takes place in Germany in strict compliance with all valid safety and quality regulations. This enables you to work much longer and more safely and your tools will enjoy an excellent reputation among your customers.



DIN EN ISO 9001

Our ISO 9001 certification gives you the guarantee that only flawless products leave our plant in Freudenberg. Our production processes are coordinated in such a way that we can maintain or even exceed all relevant safety and quality standards at any time during our manufacturing process. We would not be satisfied with anything less - and neither should you.



VDE-GS

The GS Logo guarantees that, in terms of your own safety, you are holding the best possible product in your hands. The tools are checked and tested thoroughly and are only passed on to you when we are sure we can guarantee the highest level of safety for you when you use them. The VDE test seal extends our safety guarantees into the field of electrical engineering, ensuring that you are safely protected to up to 1000 volts when working with our insulated VDE screwdrivers.



3Q

The 3Q Seal combines the three most important elements of our work: the use of high-quality materials, skilled and professional processing and a service philosophy geared completely to customer satisfaction. We place the highest demands on ourselves – and you reap the benefits of our cooperation every step of the way.

PASSION FOR TOOLS

WURO Wilhelm Uebach GmbH & Co. KG
Niederndorfer Straße 106 – 108
D-57258 Freudenberg

Telephone: +49 2734 5742-0
Fax: +49 2734 5742-27
Email: info@wuro.de



MADE IN GERMANY
DEUTSCHES
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