turned parts, axles, special screws

INNOVATIVE & HIGH-QUALITY

RumPelo metalparts
TRADITIONALLY THE BEST
Rumpel SA is an independent, highly successful SME in the screw machining sector. Founded in 1932, the company currently employs a workforce of around 50 people.

The company regularly invests in the renewal of infrastructure and production machinery, as well as the further training of its personnel. Ongoing optimisation of its services and ISO certification guarantee the high quality of our Swiss-made products.

Rumpel SA is characterised by its commitment and market proximity, and is synonymous with outstanding customer solutions.

METAL & PLASTIC PARTS
What we previously processed in metal in a more traditional production process, you can now obtain from us in plastic – why not test our efficiency in this material!
we’ve got the knack

TURNED PARTS, SHAFTS AND AXLES

Using the most up-to-date equipment, we manufacture smaller and larger production runs, turned parts, shafts and special screws for the most varied clientele at home and abroad. We provide customer-specific laser marking, vibratory grinding and individual packaging with brand logos. And when it comes to more specialised jobs, we can depend on local, long-standing, reliable partners.

We produce the required parts according to your specifications, using all current materials, in diameters ranging from 4 to 65 mm and with a maximum length of up to 600 mm. We process predominantly machining steels, as well as various types of stainless steel and aluminium. Depending on the size and complexity of the production run, we produce workpieces on CNC multi-spindle and turning centres and long-part lathes.

For the further machining of blanks and more complex workpieces, Rumpel utilises high-performance automatic thread rolling and rotary indexing machines, universal lathes, high-precision milling and turning centres, as well as centreless grinding machines.

On request, we are able to produce individual parts and mount further components onto assemblies.

SPECIFICATIONS
- Machining diameter: 65 mm
- Max. length: 600 mm

PROCESSING OPTIONS
- Deep-hole boring
- Cylindrical grinding
- Centerless grinding
- Honing
- CNC milling
- CNC precision turning
- CNC boring
- Thread rolls
- Burnishing
- Hexagon socket head
- Torx® and Torx Plus®
- Laser marking
just the ticket!

SPECIAL SCREWS AND TAPPED BUSHINGS

The different kinds of turned screws we produce can be manufactured with standard metric or American/English threads, with fine-pitch threads or various thread pitches.

- Adjustable elements
- Adjusting elements
- Adjusting screws
- Capstan-headed screws
- Centring screws
- Cheese-head screws
- Closing screws
- Collar screws
- Cone screws
- Countersunk screws
- Coupling screws
- Cross slides
- Differential screws
- Double thread pins
- Eccentric bolts
- Eccentric pins
- Eccentric screws
- Eyebolts
- Fillister head screws
- Fitted screws
- Fitting screws
- Fixing pins
- Flat-head screws
- Gripper screws
- Hexagon socket head screws
- Hollow screws
- Locking screws
- Pressure pins
- Radial screws
- Round head screws
- Shoulder screws
- Solder screws
- Specialist screws
- Special-purpose screws
- Step screws
- Stop screws
- Stud screws
- Support screws
- Tapered fitted screws
- Tapered screws
- Tapered threaded pins
- Tensioning wedges
- Tension screws
- Threaded pins
- Threaded sleeves
- Threaded sockets
- Torx® screws
- Torx Plus® screws

TORX® AND TORX PLUS®

Rumpel holds a licence to manufacture both of these copyright-protected drive systems. These drives are capable of delivering high levels of torque without damaging the screw head. They reduce assembly times, increase productivity and improve performance on assembly lines.

TORX®

High level of torque transmission, very good power transmission by the screwing tool, easier screwdriving and no contact pressure necessary.

TORX PLUS®

Higher torque transmission in comparison with Torx®, the screwing tool cannot slip and radial forces are avoided thanks to the wide application of force.
QUALITY ASSURANCE
Our quality management system (ISO 9001: 2015) is checked regularly with recertification audits. In order to ensure that the measuring and test equipment used delivers the correct values, they are checked and calibrated at regular intervals.

FINISHING
A large number of workpieces require additional finishing, such as heat treatment, electroplating or various thread-locking procedures, which we have carried out by qualified, long-standing partner companies. Vibratory grinding, as well as laser marking and wear and tear, abrasion and corrosion protection, are all handled in-house.

TOOLMAKING
In our mechanical section, lathe tools are manufactured or reground on the highest precision, modern, CNC tool-grinding machines. This ensures perfect-quality manufacturing on mechanically-controlled, automatic, multi-spindle machines.

INITIAL MACHINING
Using our high-performance Index, Tornos and Schütte CNC multi-spindle automatic lathes, we can produce larger quantities ranging from 2,000 to 500,000 pieces and more. We have CNC turning centres to hand for smaller quantities.

FINISHING
For efficient secondary or multiple machining operations, we have at our disposal high-performance machining centres, CNC precision lathes, automatic grinding/honing/thread rolling machines and deep-hole drilling machines.

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On request, we can supply electroplated, heat- and surface-treated or laser-marked parts ready for immediate use. Packaging printed with logos and barcodes are options that many of our customers appreciate. As an industrial SME, we do everything possible to personally advise our customers and deliver exemplary quality products to them promptly.

Rumpel precision turned parts are built into the end product of our customers all over the world and used and marketed in the most varied sectors of industry.

Even if your sector of industry is not mentioned here, we are sure we can find the optimal solution for you. Call us on +41 61 956 90 20 or send us an e-mail to: info@rumpel.ch. We would be pleased to offer you relevant advice.

- Automation
- Automobile industry
- Building services
- Cable and wire technology
- Carbide-metal tools industry
- Control/fluid technology
- Conveyor technology
- Diving equipment
- Document processing
- Drive engineering
- Electronics
- Energy systems
- Equipment engineering
- Food industry
- Furniture industry
- Glass fittings
- Household equipment industry
- Hydraulics
- Laboratory equipment
- Machining technology
- Mechanical engineering
- Medical engineering
- Metal and facade construction
- Military and measurement technology
- Packaging industry
- Plastics processing industry
- Pneumatics
- Railway vehicles
- Robotics
- Sealing industry
- Shelving systems
- Signalling/transport technology
- Ski/Alpine touring bindings
- Solar technology
- Stamp/sheet metal manufacturing
- Tooling systems
- Valve industry
- Watchmaking industry
REMARKABLE EXPERTISE
Discerning customers, both local and international, put their trust in the high-tech solutions of Rumpel metalparts. They benefit from dynamic production with the highest level of precision, shortest retooling times and attractive workpiece costs.

But for us, the main things are good communication with yourselves, offering relevant advice and coordinating our mutual expectations.