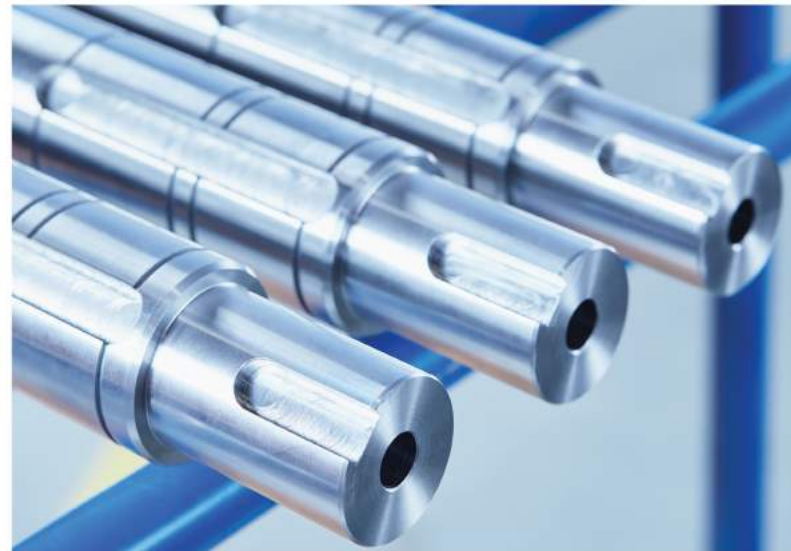


CONTACT

AWU

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*slovak creativity meets
german precision*



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For almost 60 years, **AWU** has been one of the leading manufacturers of rolls and shafts for the global market. Their most common use is in rolling mills as straightening or working rolls, as columns for guiding purposes in presses and thermoforming machines and very often in packaging machines.



However different their application might be, there are some similarities they all share:

AWU products are mostly hardened, grinded, long and thin and very precise in their tolerances down to microns.



AWU is specialized in a production of small and medium-sized batches. Our skilled and experienced workers are able to manufacture a wide range of machine parts corresponding to the manifold wishes of our clients.



The international clientele of **AWU** is supported by our English, German and naturally Slovak speaking employees in the office via email or telephone.

The core competences of **AWU** are

- outstanding quality and highest precision
- adequate heat treatment
- high flexibility and fast reaction
- cost-effective production
- short delivery times with high accuracy of delivery deadlines



AWU ROLLS



Work rolls, straightening rolls, rolls for slitting or cutting units (cold rolls, intermediate rolls, support rolls, skin-pass rolls, transporting rolls). Materials such as Cf53, Ck45, Ck60, 51CrV4, 86CrMoV7, 100Cr6, etc.

AWU SHAFTS



Induction hardened (completely along the entire length), partially hardened (with hardened sections) or unhardened. The focus on long components with smaller diameters up to 250 mm. Materials such as Cf53, Ck45, Ck60, X90CrMoV18, X5CrNi18-10, 42CrMoV4, 16MnCr5, 20MnCr5, etc.



AWU TOLERANCES

Diameters in h6 are standard, h5 and h4 possible
 Straightness up to 5 µm/m
 Surface quality up to Ra 0,025 µm, Rz 0,25 µm
 Concentricity up to 5 µm

AWU – Technical capabilities

Process	Diameter	Length	Weight	Comments
Turning	5 – 300 mm	4.000 mm	1.000 kg	conventional, NC and CNC
Straightening	5 – 200 mm	4.000 mm	1.000 kg	
Induction hardening	5 – 250 mm	3.000 mm	1.000 kg	depth 0,5 – 12 mm
Grinding	5 – 250 mm	4.000 mm	1.000 kg	centerless 5 – 60 mm
Milling		2.700 mm	1.000 kg	max. 800 x 1.000 x 2.500
Deep-hole drilling	5 – 26 mm	700 mm	100 kg	double sides 1.400 mm
Finishing	5 – 250 mm	4.000 mm	1.000 kg	Ra 0,025 µm, Rz 0,25 µm

WE ALSO PROVIDE LASER MARKING, HARD CHROME PLATING, ZINC COATING AND BROWNING.