HIGH-TECH SOLUTIONS FOR HIGHEST DEMANDS

COSWIG develops and produces tailor-made rolls for all applications and requirements
COSWIG stands for first-class roll casting and hand-mould casting, as well as innovative engineering. For over 120 years we have been developing and manufacturing high-end castings for different industries and applications. With a production capacity of 40,000 tonnes per year and over 260 qualified engineers and skilled workers, we are a strong partner for modern and innovative solutions for all sizes of application. All around the world.

Leading companies from different industries all around the world place their trust in the engineers and skilled workers from COSWIG. These include steelworks and rolling mills, as well as manufacturers of wind turbines, printing presses, grinding machines and shredders and machine builders in a wide range of different areas.

With the aid of our own R&D department and by working closely together with other research institutes, every day we are able to push back the limits in roll casting and hand-mould casting. And all of our innovations translate into tangible competitive advantages for our customers.

The efficiency of any production line can be improved with rolls from COSWIG. Here, the key to success is profile rolls and edger rolls as well as rolling rings, which are carefully coordinated by our engineers to the production processes of our customers. For hydraulic press systems COSWIG produces ready-to-install pressure pistons and plungers that deliver long-term running reliability through perfectly accurate dimensions. The unmatched quality of our products is a combination of our long-standing expertise, the skills of our highly-qualified specialists and our constant drive to refine and improve our production methods.

Maximum performance in two areas

COSWIG | CAST ROLLS

Fit for any challenge

COSWIG | CAST ROLLS

Closely contoured quenched and tempered profile rolls for maximum performance and durability.

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COSWIG manufactures statically cast horizontal and vertical rolling rings. As well as supplying individual, pre-lathed rings we also offer rings machined ready for use that are mounted on shafts that are either provided by the customer or manufactured to order. Thanks to our long-standing experience and use of optimally matched qualities of cast steel and spheroidal graphite cast iron we can guarantee absolute dimensional accuracy and highest precision of the shrink fit.

COSWIG matches every profile roll exactly to the specific application parameters. As a result, our solutions offer maximum resistance to wear, absolute dimensional accuracy and unbeatable value for money. Whether for heavy, medium or light profile rolling mills - COSWIG has the whole product range covered:

- Blooming mill rolls
- Billet rolls
- Rail rolls
- Beam mill rolls
- Special profile rolls
- Piling section rolls

COSWIG produces edger rolls for roughing stands of hot strip mills - optionally cast in static moulds as a mono block or flexibly cast as a ring-on-shaft system for reusing old rolls.

For hydraulic press systems COSWIG manufactures ready-to-install pressure pistons and plungers - with a graphite-free running face, variably adjustable case depth and a hardness range of 480–550 HV. Renowned press manufacturers all around the world trust in our quality.
For our customers, we work hard to increase the service life of our products, extend their durability and increase their productivity. To do this, the engineers at COSWIG have developed innovative and high-strength materials that far exceed the requirements set out in the DIN standards. Based on load calculations, we will recommend the perfect choice of materials for your requirements.

As a result, we offer unbeatable value for money, combining the right performance with the lowest possible cost for you.

Optionally, we can also offer our rolls with closely contoured quenching and tempering. We achieve maximum hardness through our automatically controlled water quenching system. With this in-house development from COSWIG, we ensure uniform, well-controlled cooling of the roll right down into the smallest angles in the profile.

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With high-performance CNC machining centres and precision lathes from Herkules, we have set the benchmark in terms of the accuracy and machining quality of our cast products. As a result, we can offer our customers a guarantee that the predicted performance potential will indeed be achieved in reality. Our certified quality management system guarantees consistently high standards with every casting.

Even after delivery of our castings, we will continue to assist you with a comprehensive service offering and skilled and competent advice. Whether reconditioning shafts and old rolls, re-performing roll calibrations or buying up scrap rolls in order to minimise your investment costs – COSWIG is your reliable partner and will provide you with a professional all-inclusive service.

COSWIG guarantees best performance with optimised costs. The unmatched quality of our rolls is a combination of our long-standing expertise, the skills of our highly-qualified specialists and our constant drive to refine and improve our material and production methods. Highest machining precision is achieved with our five high-performance lathes from Herkules, automated surface finishing and high-precision laser measurements. Our certified quality management system guarantees consistently high standards with every casting.

COSWIG will take care of all of your logistics needs. All around the world. Door to door. Just in time. With our representatives on almost all continents, we can guarantee smooth processes and highest delivery reliability. You can rely on COSWIG at all times – both at initial delivery and during recalibration at our plant.

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Always nearby – wherever you are in the world

You can rely on COSWIG – everywhere and at any time. And almost on every continent.

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As a subsidiary of the DIHAG Group, COSWIG is part of a high performing group of companies: Hubs for wind turbines, 45-t rolls or the world’s biggest ship propeller – the cast products from DIHAG HOLDING GmbH can be found all over the world in applications that demand technological excellence and pioneering innovation. The group is in a leading position both in the shipbuilding industry and in the iron and steel industry.

As one of the largest independent foundry groups in Europe, the subsidiary companies of the DIHAG Group produce around 170,000 tonnes of high-end cast products every year. The range of products covers cast products ranging in weight from less than 1 kg up to 160 tonnes, as one-off pieces or in small, medium or large-scale production runs. In the process, the companies use a wide range of different casting materials such as grey cast iron, spheroidal graphite cast iron and cast steel as well as copper alloys. Together, the group can take full advantage of the available synergies in investment planning, materials procurement and market cultivation. As a result, customers of the DIHAG Group have access to a wide-ranging and comprehensive overall offering.