

SPIRAL PIPE PLANTS

Tailor-made solutions with measurable benefits



SMS group

A flexible, reliable partner – for the lifetime of your plant

SMS group is the world leader in plant construction and mechanical engineering for the production of spiral pipes. High standards of quality economically produced – this is what SMS group customers have relied on ever since the company's founding. SMS group develops tailor-made systems, from individual machines to turnkey integrated plants for oil and gas pipes as well as water pipes and piling pipes. With our service customers can be sure that even after decades of use production will continue to run smoothly.

MEASURABLE CUSTOMER BENEFITS

The innovative solutions SMS group provides afford customers measurable benefits within their challenging markets. Whether it's steel for car wheels, pipeline tubes, heavy structurals, wheels for high-speed trains, aluminum for façade construction or offshore wind turbines: the machines and plants tailored by SMS group ensure the cost-efficient and flawless production of the necessary parts.

INDIVIDUAL SOLUTIONS

SMS group concentrates the competence of globally successful specialist firms under one roof to create a unique, full range of supplies and services for metal processing and associated fields. In doing so, the employees focus consistently on the requirements of their partners. SMS group finds individual solutions and fulfills customers' expectations, both flexibly and reliably. This is verified by 17,000 reference projects for satisfied customers the world over.





LEADING PARTNER IN THE WORLD OF METALS

SMS group is a global, leading partner for the metal industry. As a family-owned business headquartered in Germany, quality and innovation is in our DNA. We are committed to the success of our customers and strive to add value along the entire value chain of the global metal industry.



PORTFOLIO

Resource-efficient solutions for spiral pipe production – from SMS group

No matter what it is – oil and gas pipes, water pipes or piling pipes – SMS group has the right solution for every customer. If our business partners need an individual machine or a turnkey integrated plant, we can provide it. We always tailor the equipment precisely to their requirements. We take a comprehensive approach in terms of both machinery and service: just like our customers, we keep an eye on the entire production process, from the raw material to the finished product.

COORDINATED RANGE

SMS group plant and machinery are available for the production of spiral pipes by the conventional 1-stage process as well as the 2-stage process which is also called offline-process. In the first stage the pipe is formed and continually tack-welded at high speed. In the second stage the pipe is finish-welded using SA-welding technology. The advantages of this are higher productivity and improved quality to meet the requirements of modern and robust pipeline tubes. However pipe forming and

INTEGRATED



RAW MATERIAL

Coiled, hot rolled steel strip

COIL PREPARATION

- Coil preparation stand
- Strip accumulator

PIPE FORMING

- Spiral pipe mills (online/offline) with
- strip cross welder
 - weld testing
 - pipe forming stand
 - SAW station
 - MAG tack welder

PIPE WELDING

- Submerged arc welding systems for finish-welding or re-welding with
- automatic pipe feeding and discharge system
 - automatic welding start positioning system
 - automatic welding seam tracking system

CONSULTING AND SERVICE – INTEGRATED

innovative pipe welding are just a part of our integrated solutions: SMS group customers also rely on our plant and equipment for coil preparation, pipe end finishing and quality control. When it comes to turnkey concepts, we also deal with the infrastructure, for example systems for pipe transportation or quality management.

COMPETITIVE ADVANTAGES

Many years of experience and unrivalled expertise – SMS group customers benefit from both. We set standards in spiral pipe technology as well as automation, process and welding technology. This gives our customers their competitive edge.

Using our digital welding technology, customers achieve efficiencies of up to 90 per cent, for example. Compared to other solutions this means energy savings of more than 30 per cent. It certainly pays off – not just for new plants but for the modernization of existing equipment too.



CONCEPTS



PIPE END FINISHING

Pipe end chamfering machine

PRESSURE TESTING

Hydrostatic pipe tester (hydrotester)

QUALITY CONTROL

- Ultrasound system (ultrasonic testing)
- X-ray testing system (fluoroscopy and x-ray)

PRODUCTS

Spiral-formed pipes with a diameter of 408 to 3048 mm and wall thicknesses of 5.2 to 25.4 mm

- Driven tubes (piling)
- Water pipes (AWWA)
- Oil and gas pipes (API)

NO MATTER WHAT IT IS – OIL AND GAS PIPES, WATER PIPES

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