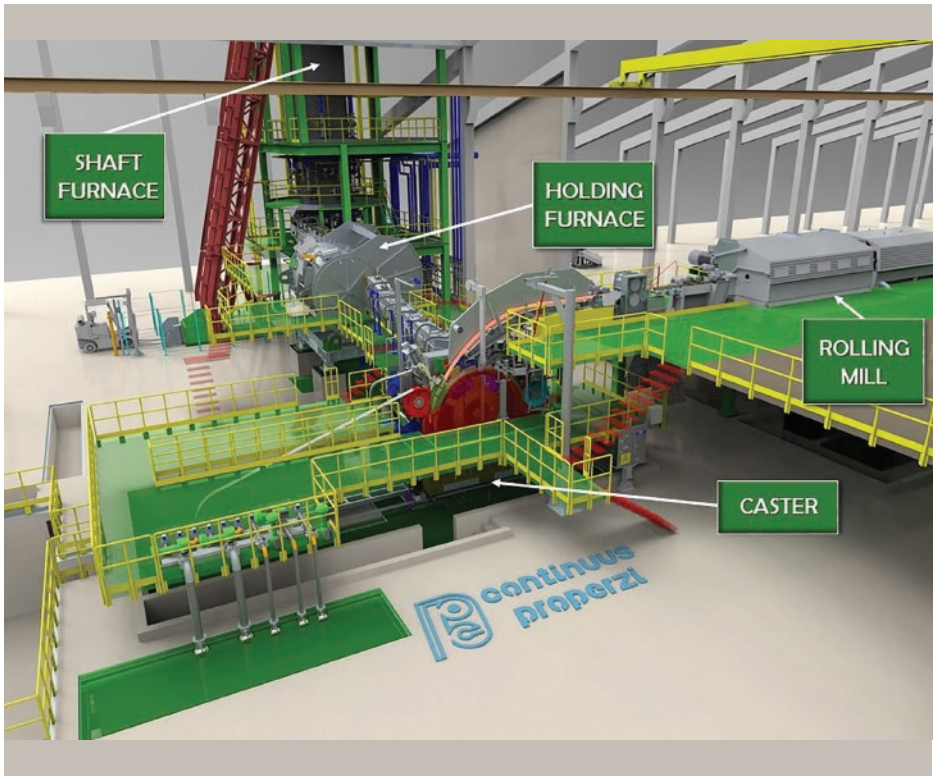
Large ETP copper rod line for Gujarat

"Every contract and every negotiation in our field requires considerable dedication and a lot of patience, as dialogues need very long times. But in this case I could see the final achievement after an incredible long period of sixty years of sweat, efforts, hard work and engineering, since the first Copper Rod Line my father provided, as a disruptive tool, to the industry in 1962" - Giulio Properzi

Continuus-Properzi is pleased to announce it has been selected by Adani Group, as best technological and commercial partner, for the 2023 supply of a large Properzi ETP TOP Copper Rod Line for their new Adani-Kutch copper complex project in Gujarat, a strategic milestone for the entire copper field not only in India but also worldwide. Properzi is more than happy and proud to announce this strategic sale of a brand new Properzi CCR Line designed to produce up to 250,000 tons of ETP copper rod per year and even more, with its mission to make this CCR Line the most efficient, easiest to operate, and highest quality in the sector. This new project, after several others during the last years, is further proof of its leading position in the Copper and Aluminium rod fields. Properzi is the benchmark and reference throughout the world.

Properzi has already led the way and is innovating CONTINUUS-ly its technology for pending projects ... stay tuned on its social media and website www.properzi.com for additional breaking news!

www.properzi.com



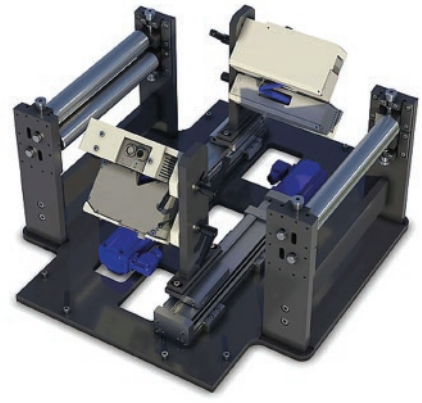
3D Layout of Adani's 250,000 tpy ETP Rod Line. Image: Properzi

FOCUS ON ROLLING

Real-time monitoring of strip edge contours

ConScan®
Real-Time Productivity Acceleration

NOV 24 - The ConScan® system from hpl-Neugnadenfelder Maschinenfabrik visualises the edge contour shape of narrow strips and thus enables immediate intervention in the production process in the event of smallest deviations from the specified contour. When machining the edges of narrow strips, e.g. after a longitudinal slitting process has been passed, the shape of the edges plays a decisive role for many applications. No cutting burrs should occur. For special applications, specified radii and the position of their vertices must be precisely observed.



The ConScan® strip edge contour monitoring system

Experienced operators recognise by the flow of chips generated when machining the edges whether the contour roughly meets the specifications. However, this includes a very high subjective influence. The edge can be evaluated much more objectively if a sample piece is cut at the end of the coil, whose quality is then checked, for example, in a transmitted light microscope. Although this method is very accurate, it has the disadvantage that the edge contour is not tested until the entire coil has already been machined.

The requirements for exact strip contours are constantly increasing. Many steel manufacturers require a system with which they can provide complete proof of the high quality of their products. It is also important to always keep an eye on the production process efficiency. In this way, the company's own product can be optimised during ongoing production and adjusting screws can be discovered to improve product quality and production efficiency.

All these high requirements have led to the development of ConScan®, a laser-supported system for visualising and measuring the strip edge contour. It graphically displays the contour of the strip edges on a monitor in real time. The system visualises typical defects - such as burrs, edge breakouts or radii and edges that are out of alignment. Tests show that even the smallest deviations, such as minimal edge outbursts, are displayed clearly in full detail. This allows the operator to adjust the chip removal during ongoing production: The output of high-quality strips increases, production downtimes are avoided and a 100% inspection verification of the entire strip length is possible.

Graphical display of strip edges in real time

Recipe management enables the operator to switch quickly between various preset measuring tasks and a wide range of different parameters, such as strip thicknesses, chamfer angles/lengths, radii, strip widths or groove widths/depths, can be configured. hpl-Neugendenfelder has developed ConScan® for strips widths ranging from 4 to 250 mm and strip thicknesses from 0.2 to 3 mm. ConScan can also be integrated into existing strip edge trimming lines.

www.hpl-group.de