

RAIL FORGING

Complex railway forging
made simple: achieve full
compliance with automated
precision.



Hydraulic

Why not switch to the best?



Producing railway switches and crossings is complex—but there's light at the end of the tunnel.

By working with Hydraulico, you gain full compliance. Our proven forging solution is built around a purpose-designed 6,000-ton press line that automatically manages, heats, and forges all kinds of rail end profiles and lengths.

Why choose Hydraulico to keep your rail forging on track?

01 One stop shop for all your needs

Hydraulico is the global leader in rail end forging solutions for switches, backed by over 30 years of specialized process know-how. Our robust, reliable technology enables newcomers to strive for market leadership while helping industry leaders protect their position. We optimize the entire process without limitations, ensuring full compliance, minimizing machining, and, when applicable, reducing hardening costs—delivering efficiency, precision, and long-term value.

03 Invest in a greener, more profitable future

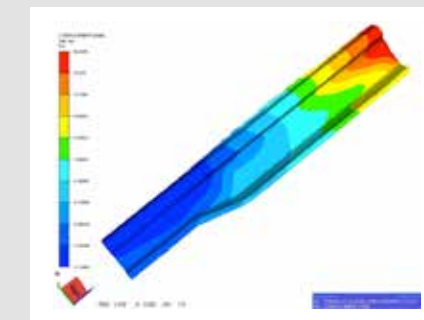
With Hydraulico's solution, you can cut machining and labor costs by 75% while reducing energy consumption by up to 40%. Our advanced hydraulic presses with frequency drivers and a modular induction furnace optimize efficiency. Refined die technology minimizes material waste and allows easy inserts maintenance. Combined with full-scope coverage, this ensures long-lasting equipment, a minimal environmental footprint, and maximum profit per part.

02 Control, precision and consistency are everything

Our advanced forging line ensures precise, consistent production with high control and reliability, minimizing costly scrap from defects like circular metal flows, soft grain structures, and surface or geometric flaws. The Hydraulico system includes a powerful hydraulic press, a variable frequency induction furnace, automated handling, lubrication, and quenching units. Producing 4–8 rails per hour, it also tracks all parameters for full part traceability.



Our custom-designed Rail Transfer System (RTS) handles all rail lengths and profiles with ease.



Using the latest generation of simulation software, we integrate best-in-class tooling into our solutions.

Minimize your learning curve and maximize your profitability

Hydraulico is the only qualified partner to minimize your learning curve or optimize and automate rail end production. Our forging line ensures highly profitable, fast, and precise manufacturing of complex profiles with full documentation, minimized risk, and access to our expertise and network.

Contact us to discuss your needs for state-of-the-art rail end profiles.

Hydraulico a/s

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Hydraulico designs and delivers advanced press technology and complete production lines. All presses are designed and produced to customer specifications.

hydraulico.com