

Intergraph Smart® Production for Steel Service Centers

Intergraph Smart® Production for Steel Service Centers (SSC) features a unique bottom-up approach to control the complete production process within steel service centers and mechanical engineering companies, based on Industry 4.0 concepts. With more than 400 customers, it's a proven solution that contains all functionality for sales, work preparation, fabrication and delivery, with load balancing for material and resources in a single integrated solution.

Smart Production integrates with 2D/3D design, schedule, material management and the machines on the shop floor. The solution considerably increases material and resource utilization, manages remnants, improves schedule and material flow, and significantly reduces the work-hours required in the work preparation process.

Smart Production SSC manages the complete steel service center production process, starting from the quotation calculation and continuing through work planning, part production, packaging, delivery and final invoicing. By using the real geometry, Available to Promise (ATP) and Capable to Promise (CTP) functionalities, a unique, accurate quotation can be quickly achieved, which helps provides a competitive edge. Reduction in quotation time of 30% to 80% can be realized, as well as improved profitability of orders. With the inclusion of nesting, material optimization algorithms and remnant management, material saving of 1% to 5% can be seen. This is also applicable for coils. This all contributes to keeping promised delivery dates and being viewed as an even more reliable partner.

Why Intergraph Smart Production powered by NESTIX?

Control Production

Access real-time feedback from shop floor machines and workstations to provide valuable insights on work progress at any given time.

Improve Material Utilization

By integrating inventory, actual usage and remnant management into the process, significant material optimization can be achieved.

Easy Production Scheduling

Just-in-time production scheduling is supported throughout the complete process, including assembly and sub-assembly stages using the part fabrication scheduling into account.

Efficient Load Balancing

Based on production routing and previously established estimates, Smart Production allows back and forward scheduling based on available resources and capacity (load balancing) to allow the creation of an accurate work preparation.

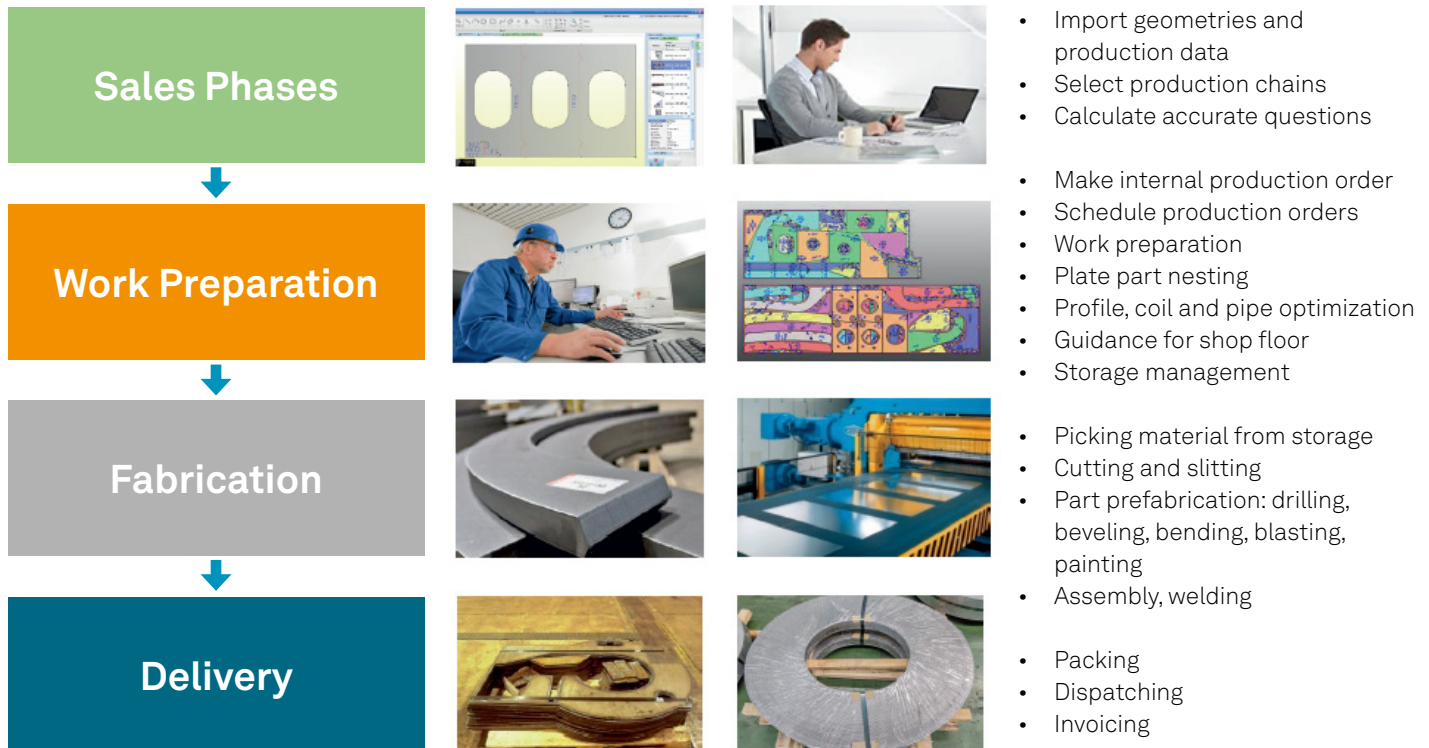
Change Management

Manage all changes to the production process consistently throughout with a data-centric approach.

Increase Design/Production Visibility

Using Intergraph Smart 3D planning assembly hierarchy setup as the basis, the system visualizes in detail real-time production status compared to plan.

Steel Service Center Processes Managed by Smart Production, SSC



About Hexagon

Hexagon is a global leader in digital reality solutions, combining sensor, software and autonomous technologies. We are putting data to work to boost efficiency, productivity, quality and safety across industrial, manufacturing, infrastructure, public sector, and mobility applications.

Hexagon's Asset Lifecycle Intelligence division helps clients design, construct, and operate more profitable, safe, and sustainable industrial facilities. We empower customers to unlock data, accelerate industrial project modernization and digital maturity, increase productivity, and move the sustainability needle.

Our technologies help produce actionable insights that enable better decision-making and intelligence across the asset lifecycle of industrial projects, leading to improvements in safety, quality, efficiency, and productivity, which contribute to Economic and Environmental Sustainability.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 23,000 employees in 50 countries and net sales of approximately 4.6bn USD. Learn more at [hexagon.com](https://www.hexagon.com) and follow us @HexagonAB.

