

Steel Dynamics: Robotic Manipulator Project

Steel Dynamics, Inc. – Structural and Rail Division selects Polytec, worldwide leader in smart robotics to the steel industry, as supplier for their first “fully-optional” robotic manipulator. The steel plant located in Columbia City, Indiana will install a smart robotic cell that will automatically manage continuous casting operations on the # 2 casting machine, providing a 3D computer vision system for nozzle position identification and ladle shroud application, oxygen lance for nozzle cleaning, temperature measurement, sampling, hydriis measurement tools and powder distribution on the tundish. The implementation of this project aligns with SDI’s core values: “Improving operator’s safety, enhancing product quality and increasing productivity to be more competitive on the global steel market are our goals. We trust in Polytec’s expertise on this project to help achieve these goals.”

About Polytec USA Corp.

More than 25 years of experience in the field of automation, a world-leading position in the sector of robotics for the steel industry with over 200 installations all over the world. Polytec platforms integrate robotics, automation, computer vision, cloud computing and IIoT and are designed to increase production efficiency and manage processes with shorter lead times, while still ensuring the highest product quality. To this purpose, Polytec USA Corp. is the American company distributing BM Group Polytec solutions, offering upgrading and digitalization programs based on an analysis and evaluation approach to efficiently support American steel producers in their innovation project and taking care of after-sales service in North America.