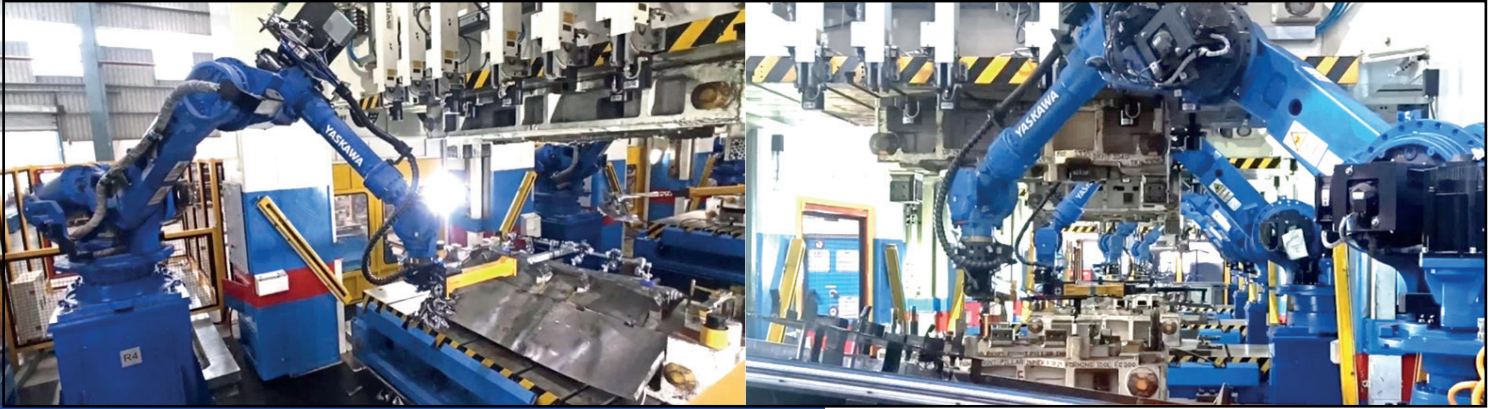


Commissioning

Robotic Press Handling Project

~ Virat Mahajan



YASKAWA India Pvt. Ltd. (Robotic Division) has successfully commissioned a high-speed Robotic automated Tandem press line of 1250T in SKH Y-TECH Gujarat, India, in the automobile region. This state-of-the-art production line is designed to produce various stamping parts used in the automobile industry. With a production speed of upto 13.5 SPM, which is the highest achieved among the previous installations, this line is equipped with 6 Nos. Yaskawa Motoman PH130F Robots. It is the third installation for the same customer, who benefits from high-volume production without requiring any manpower intervention between the press. The line can produce approximately 15,000 to 17,000 parts in a single day with proper safety measures in place between the Robots and Press.

The line includes automatic de-stacking of metal sheets, as well as a centring system that provides accuracy in placing of the blanks on the die. The robots have automatic tool change capability which provide the benefits of time saving for upcoming productions. The entire line is controlled by a centralized PLC and HMI system, which simplifies operation and reduces line downtime. Additionally, the line features an auto double-sheet detection mechanism that identifies and prevents double-sheet placement on the die.

COO's Message

COO's Message for the Team

“At YASKAWA India, we consider Service as our top priority. We prioritize service excellence and ensure that our customers receive the best Engineering & After-sales support 24x7, regardless of their location.

Your unwavering dedication in providing exceptional service has been instrumental in making us an industry leader. With installations across the country, your commitment to service & engineering excellence distinguishes us from our competitors.

Thank you for being the backbone of our organization.”

COO
Ajay Gurjar



Commissioning

Robotic Handling + Welding Project

~ Virat Mahajan

YASKAWA India Pvt. Ltd. (Robotic Division) has successfully commissioned a Robotic Handling and Spot-Welding project at G-TEKT India Tapukara, Rajasthan, in the automobile region. This project is a combination of Part handling and Spot-welding applications. The project has consisted of the YASKAWA GP8 Robot with vacuum gripper and two-jaw gripper, which is used for pick-and-place of the child parts and welded component once a 2D inspection camera check the spot weld impression and thread availability in the welded component.

During operation, the GP8 Robot picks the parts from the 40 nos. stacks of child parts and places them on the spot-welding jig. The robot programming includes a searching function for picking of the child parts from various stacks, switching of the stacks is done by the auto-shifting function in the robot programming. By using this handling system, customer is achieving high production volume with an auto-inspection system. This is a completely operator-free system, as the robot handles 100% of the parts loading/unloading and quality inspection is also done by the inspection camera.

