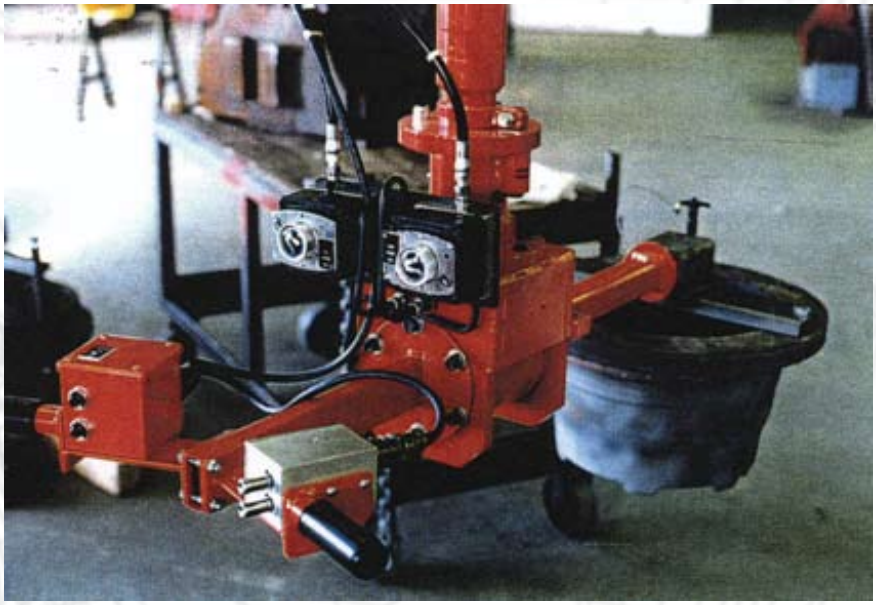
Positech
THE LEADER IN POSITIONING TECHNOLOGY

Case Study 108

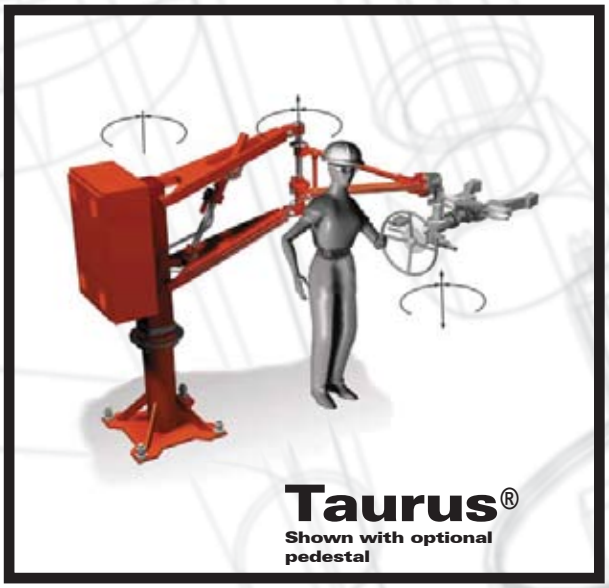
Quality System Registered
ISO 9001:2008/Q9001-2008
Certificate QSR-498

Product Handled:

Wheel Molds



Problem: The part weights and the reach-in to the press made handling difficult. The customer used special fixtures and a forklift truck to do the transfer. Rotation was accomplished by setting the mold down and rotating it by hand, before picking it up again with the forklift. The transfer back to the press was very time consuming and much of the pre-heating was lost. This resulted in numerous castings being lost while the mold was reheating again during the process.



APPLICATION: Remove the four pieces that make up a wheel mold from the mold press and hang them on a conveyor rack so that they may be cleaned. Some of the pieces must be rotated to hang on the rack. After shot blasting, the molds are pre-heated and transferred back to the mold press.

SOLUTION: Pedestal mounted Taurus® (TPA-10) Manipulator with a downshaft to raise the machine out of the operator's way. Hydraulic powered rotator and quick change, pin and socket end-effector to interface with the customer's fixtures. The unit has provided a much faster, easier and safer method of mold handling. Decreased cycle time has resulted in a reduction in scrap, because less heat is being lost and less time is needed to bring the molds back up to temperature.

CONTACT POSITECH FOR MORE INFORMATION

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