AUTOMATING THE FORGE - PART HANDLING SYSTEMS
Cost effective designs and implementation

SMS group Inc specializes in the design and implementation of cost effective automation systems for part handling in the forge shop. Automating the part handling can improve your bottom line by reducing labor and increasing up time. For some applications, not only will total throughput improve with less downtime, but the part-to-part cycle time will also improve.

Why robotics?
- Precision
- Durability
- Reliability
- Flexibility
- Speed
Automated Part Handling Options

- Billet loading at the press
- Walking beam for part transfer
- Part unloading at the press
- Die spray
- Part loading at the trim press
- Flash removal at the trim press
- Bin picking and loading of heater
- Unloading of heater with palletizing of under temp billets
- Loading of forge roll

Capabilities

- Custom designed end effector
- Design and supply of safety cell per RIA 15.06-2012
- Dedicated in-house manufacturing and assembly
- Experience with most major robot manufacturers

Why choose SMS group?

- Customized system solutions
- Robot simulation provided with proposal
- System run-off at our shop
- Complete production line integration
- Able to provide turn-key systems

Standard Features

- Robot Safety Position Check system to reduce safety cell footprint
- 1st year preventive maintenance
- One year of free predictive maintenance monitoring and reporting*
- Customer application specific robot training at SMS group’s facility
- Safety risk assessment

Optional Features

- HMI and PLC for improved alarming and diagnostics, safety cell status, and ease of access to robot functions
- Fencing modifications to customer specific needs
- Custom protective robot suit
- Preventive maintenance package
- Robot transfer unit to provide quick access to press area
- Part inspection

*Not available with all robots