

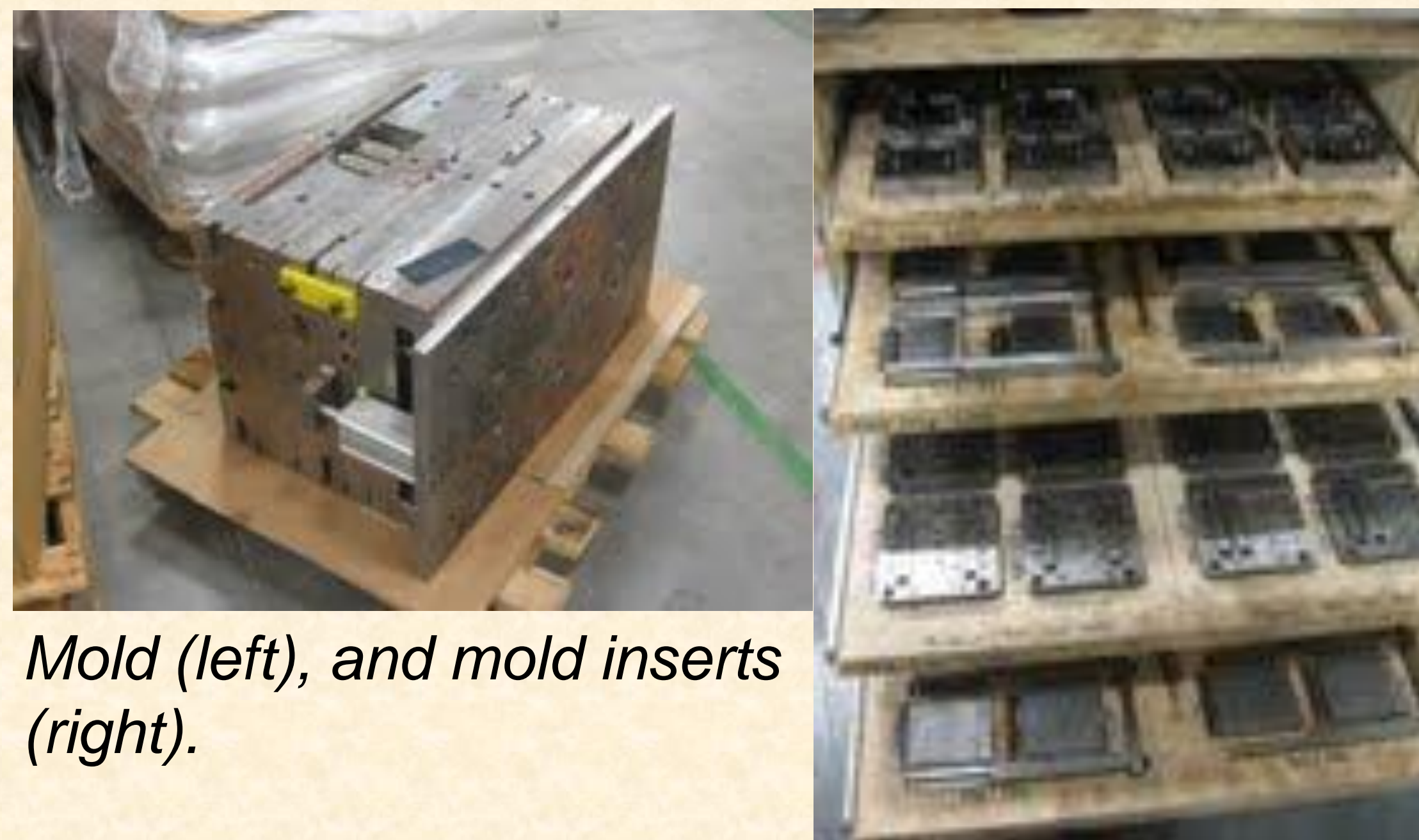
Summer Internship at Innotec Lighting

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COMPANY INFORMATION

Innotec manufactures automotive and furniture components in Zeeland, MI. Customers include Haworth, Chrysler, Ford, and GM. The company website is www.innotecgroup.com.



Mold (left), and mold inserts (right).

CELL DESCRIPTION

I worked in the Haworth Flex/PDA cell. The cell makes plastic housings and covers for the power supply to cubicles. The parts are made using injection molding (see left).

PROJECTS

Inventory - I reorganized the cell's inventory system. Users input current and previous production levels and inventory, and the spreadsheet gives the relevant reorder information.

Force Gauge – In order to make quality checks for flash (extra plastic on a part) more efficient, I designed and assembled a gauge to measure how easily the flash came off.

Replenishing the plastic for the injection mold machine on a hi-lo.



Injection mold machine. (above) and plastic inventory (below).



DAY TO DAY ACTIVITIES

I helped run production, which involved troubleshooting the machines when they went down. Production also required changing the mold inserts in order to manufacture different parts. Once a week we changed the mold completely. I also performed quality checks on parts to ensure they were up to the required standards.



Quality check station for testing parts for strength, color, appearance, and functionality.



Force gauge in mid-July. Pre-assembly and mounting of force gauge itself (below).

