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Oven Project

Detroit Tool & Engineering was a single source for the tooling, special forming and welding equipment for this Oven project. This is only one of many projects where DTE has combined the tooling and the special machines to give the customer a one stop shop. DTE can control the total schedule of the project, providing fit up parts to the machine group as required, part development utilizing tooling and machines with no shipping of part between two suppliers.



System Overview

- Single source for total project control
- Tooling group supplied parts for the equipment development and run off
- Tooling group utilizes Dynaform software for drawn part die design
- Machine design utilizing information from tooling

System Values & Benefits

- Mid-freq. welding with servo controlled locations
- Tooling design for automated press line including part transfer with auto die change
- Matching shut height for all tooling
- Matching clamping locations for all tools
- Cell configuration layout for lean manufacturing

System Highlights

- Tooling package included twenty dies for the one project plus eight additional for other parts.
- One special machine to final piercing of different hole pattern, One to form a reverse curl complete in the opening and one to spot weld all parts together including two additional parts.