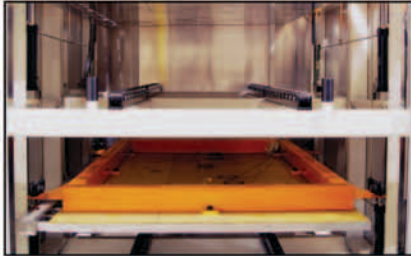


Form Tool Heating System



Typical Applications:

Manufacturing operations that utilize heated tools for their product processes. Applications are in automotive, furniture, and various processing industries.

Koops Automation

- Broad expertise in assembly and factory automation
- Single-source capability ensures greater control over the design, testing, integration and system installation system
- Prototyping and Fixture Design
- Process Programming and Verification
- Specification Writing
- System Integration Including Robotics
- System Design & Build
- Design to Specification
- Project Management
- Training

HK-8000

The HK-8000 is an electric conduction oven designed to efficiently heat large forming tools. Many manufacturing forming operations require a hot tool in the press at all times and must keep tool change time to an absolute minimum. By pre-heating the form tools in preparation for product changeover or tool maintenance, downtime is greatly reduced. The HK-8000 can accommodate two sets of form tools. Each tool can weigh as much as 35,000 lbs (15,900 kg) for a total mass of 70,000 lbs (31,800kg). The efficient heat transfer system is able to heat most tools to production temperature in two hours or less and maintain that temperature using the latest temperature control technology. The internal roller beds provide smooth tool entry and exit.

- Heavy-duty steel tube frame (FEA design) with base pads and anchor points
- Heavy duty die rollers for smooth tool entry
- Heated platens with zone heating for even temperature control
- RTD I/O for tool temperature feedback
- Operator interface for simple operation
- Insulated enclosure for energy conservation
- Tool entry and safety gate
- Features modified to meet your specific requirements

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