

THE LEADING MANUFACTURER OF
WAX-ROOM EQUIPMENT
WORLDWIDE

MPI
55IGT

C-FRAME WAX INJECTOR

The Model 55 IGT Series wax injector is a C-Frame hydraulic press designed specifically for **Industrial Gas Turbine products**. The machine is available in 50 and 100 ton clamping forces. The C-Frame clamping unit is the most ergonomic for the operator, providing unobstructed access to their work area. The unique frame design allows the operator to remove large patterns without having to climb onto the machine.

- Rigid C-Frame, Parallel Die Opening,
- Uniform Die Clamping, Easy Die Access
- Smart Controls Process Control, with real time injection graphing
- Injection System - Tightest temperature control in the industry
- Inject your wax into your dies at MPI and decide for yourself
- Safely remove wax patterns without climbing the machine
- The only C-Frame IGT press with 3-axis nozzle positioning
- nozzle positioning



Model 55IGT-100 Wax Injector
shown with optional 2nd shuttle table

Process Control

All MPI machines are equipped with **Smart System Process Controls** that provide state-of-the-art process control utilizing user-friendly Windows-based injection control software that features an intuitive touch-screen display. Our Smart System consistently monitors and controls all variables in real time against your pre-established baselines for wax temperature, wax flow, wax pressure, injection time and viscosity, resulting in patterns that are consistent and of the highest quality. This technology eliminates the possibility of accidentally making an out-of-tolerance wax pattern.





Features

Tee Slots

Parallel tee slots on each platen, running perpendicular to the nozzle, provide full coverage die clamping and eliminate stripped threads.



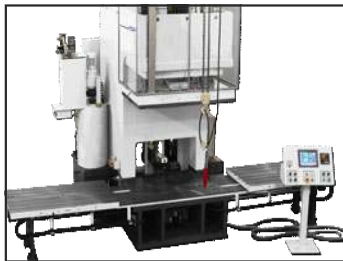
Hydraulic Pattern Ejection

Controlled pattern removal from the lower stationary platen.



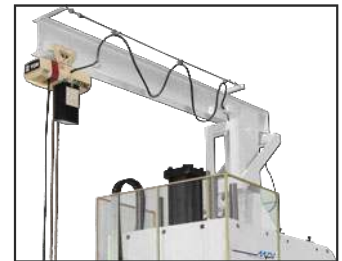
Two Shuttle Tables

Increase machine utilization by injecting one die while performing die disassembly and pattern removal on a second die.



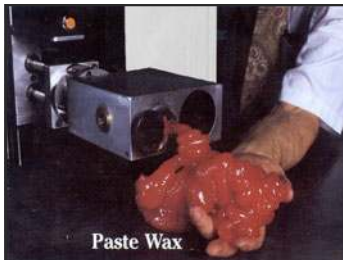
Jib Crane

The unique combination of Jib Crane and Hydraulic Shuttle Table allow quick, safe pattern removal and die changeovers by a single operator.



Paste Wax

Accurately conditions wax to any viscosity from liquid to paste, providing consistency from pattern to pattern regardless of the input wax temperature.



Three Axis Nozzle Positioning

Total alignment

Motor driven x-y-z nozzle positioning allows for die designs with the most direct wax flow path.

