



Integrated Advanced Production System



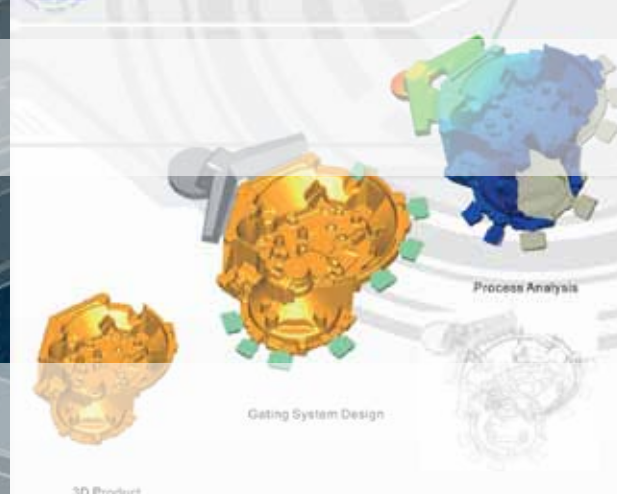
Rev:19/06-CGL-001

J-HPDC

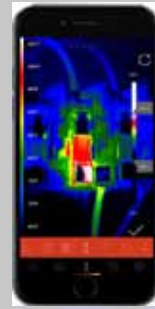


J-NANOX LUBRAX

CAST-DESIGNER

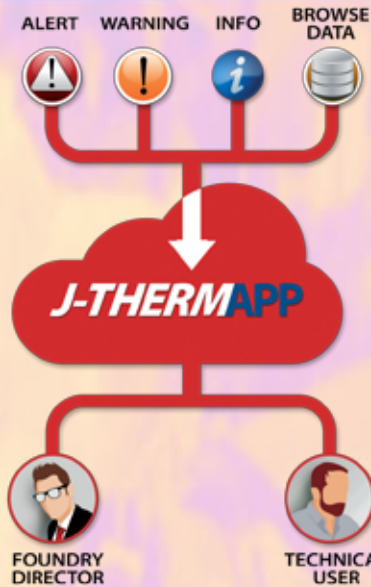


J-THERM APP

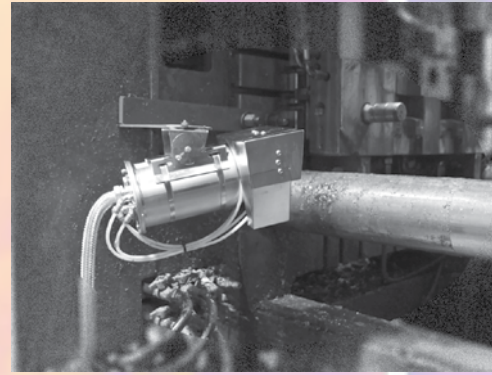


Innovative Mobile Application to give all information regarding production process to Foundry Directors.

- **ALARM, WARNING** and **INFO** messages through popup on mobile device.
- Control thermographies in real time
- Cycle machine Alert
- Machine downtime Alert



J-THERM

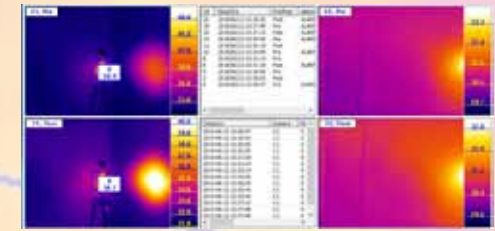


J-THERM HPDC is a system studied for the continuous monitoring and thermographic control of the working conditions of die casting molds. It is composed of 2 thermal imaging cameras (each one equipped with a high resolution sensor) that record 4 thermographs for each produced piece: 2 before the lubrication (fixed and mobile part), 2 after lubrication.

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- Air Cooling System for each camera
- Remote Focus controller
- Wide View

J-THERM CONTROL



J-THERM HPDC has a management software in a single User Interface which can automatically acquire single images through analogic inputs sent from the press machine. It's possible to set up a range of alarm control that will be activated when the temperatures will be out of the desired range.

The **quality of the process** is guaranteed through the comparison of detected thermographs.

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- ROI customization
- Real Time temperatures trend
- Alarm Customization
- Browse detected records

CORPORATE LAN INTEGRATION



J-NANOX LUBRAX



NanoTechnology most advanced formulation with JODOVIT Exclusive

Production Process

BENEFITS:

- Reduced quantity of application
- Excellent cleaning of casting
- No scraps on the mold
- Formulated to avoid clogging of the osmosis membranes of the filtration system
- Reduction of the temperature of the form
- Suitable for micro-dosing

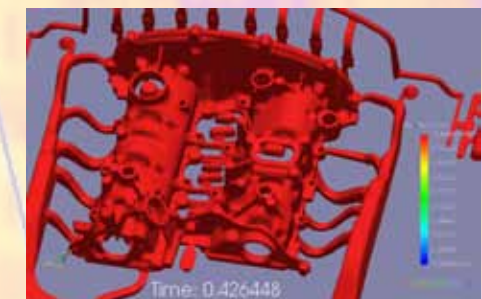
DIE-CASTING MACHINE FOR STRUCTURAL CASTING



This System is suitable for all press machines with all production capacities. It is particularly suitable for structural castings that have a complicated structure such as vehicle frame parts, components for the marine, motorcycle and transport sectors in general. The main characteristics that these castings have in common are large size, thin thickness and complex geometry as they must integrate different parts into a single component. These structural castings must guarantee very high mechanical performances, higher than the traditional technology allows. For this reason it is very important to use Al alloys more suitable to these new applications and to control each phase of the production process.

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CAST-DESIGNER



The J-THERM CONTROL Software can produce a comma separated value (CSV) file that can be imported into CAST-DESIGNER software to analyze the critical points of the molds.

DESIGNER software to analyze the critical points of the molds.

BENEFITS:

- Defects prevention
- Filling Time Optimization
- Comparison of data made with optimization simulations
- Mold Quality



Large multifunctional Casting

Increasing mechanical characteristic

Superior performance with the same wall thickness of casting

