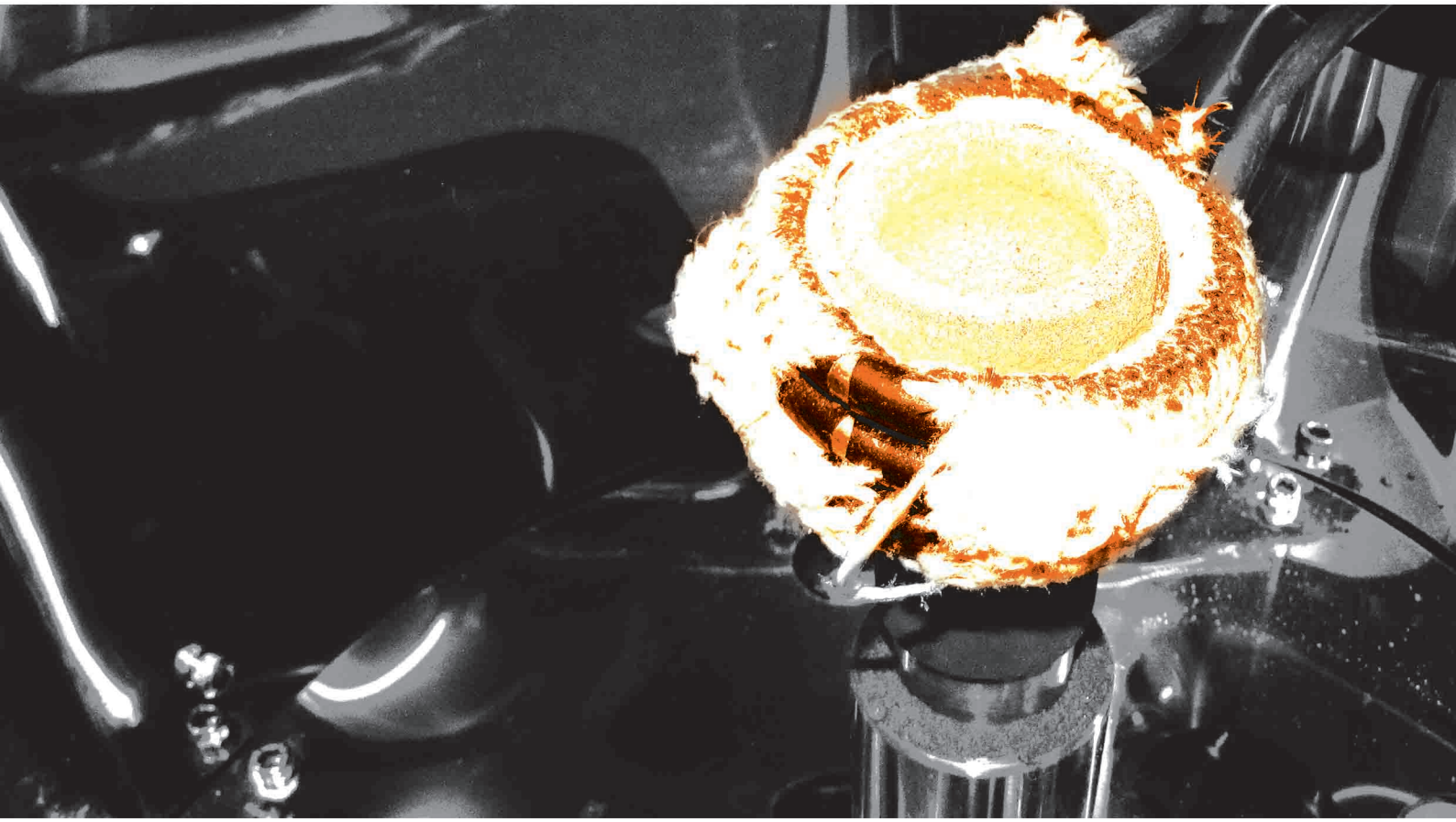
VACUUM
HOT PRESS

best overall value for
price versus performance

Hot pressing is a high-pressure, low-strain-rate powder metallurgy process for forming of a powder or powder compact at a temperature high enough to induce sintering and creep processes. With KPF Vacuum Hot Pressing machine, dense forming of materials under the vacuum, high temperature and high pressure is possible and new materials with certain special properties, such as the amorphous phase, reduced material gap, increased strength and rigidity, and even change in the structure of the materials can be obtained. KPF designs a set of customized Hot Press machines which not only meet customer requirement but also are very cost efficient.

Features

- High heating and cooling rate
- Ability of producing the wide range of metals, ceramics and composites
- Ability of develop temperature and force in system by customer order
- Fully automatic control and programmable system
- Measuring of compression path and speed
- Camera and recording system
- User friendly interface
- Cost efficient product



Specifications

- Double wall stainless steel chamber, water cool , volume 50 lit and door lock sensor
- Hydraulic system consists of a double-acting 15 tone with servo valve
- Water cooled cold compression rods
- Induction furnace max temperature 1500 °C
- Temperature measurement by thermocouple optionally control by pyrometer
- Automatic vacuum system for an ultimate pressure of 5x 10-3 bar
- Inert gas system
- Touchscreen monitor 7 inch TFT

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