

Process technology of die-casting structural parts

Metal Industries Research & Development Centre FUSION CASTING SECTION Tang, Nai-kuang

TEL: 07-3513121 ext 2533 E-mail: tang@mail.mirdc.org.tw

■ 金屬工業研究發展中心 ■

- Page :

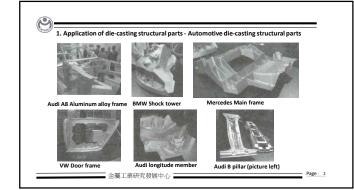


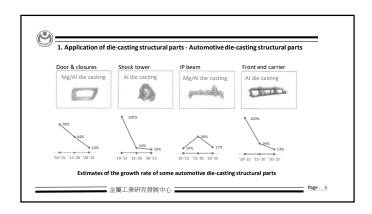
Content

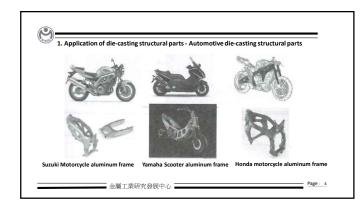
- 1. Application of die-casting structural parts
- 2. Die casting alloy
- 3. High vacuum die casting
- 4. Molten metal treatment
- 5. Mold design
- 6. The capability of Metal Industries Research & Development Centre in the die-casting structural parts
- 7. Conclusion

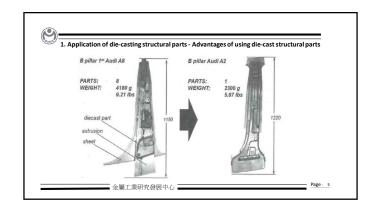
■ 金屬工業研究發展中心 ■

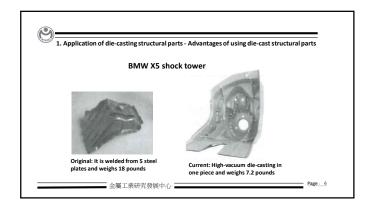
Page:

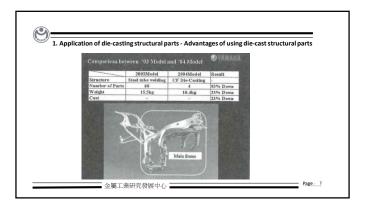


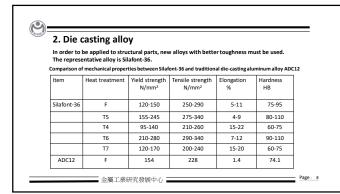


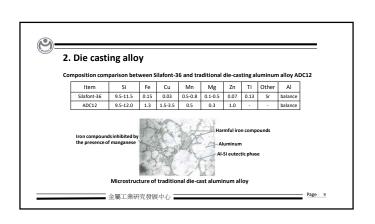


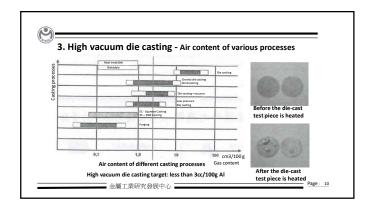


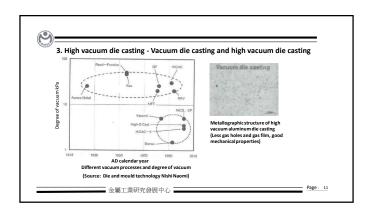


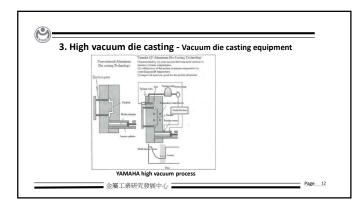


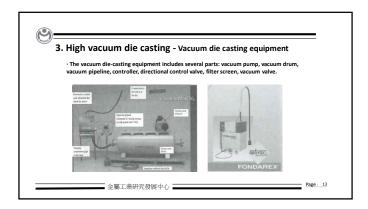


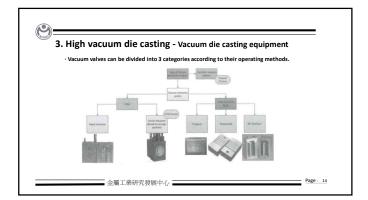


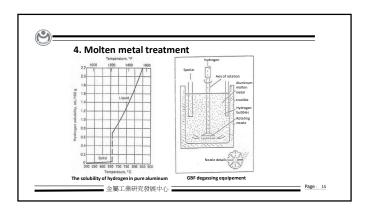


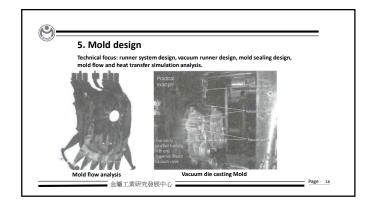


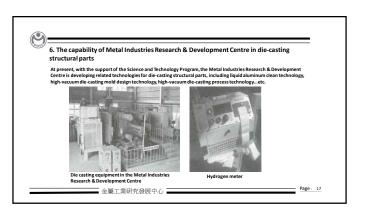


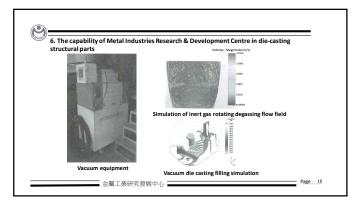














7. Conclusion

- Die-casting structural parts have been used in many high-end vehicles, and it is expected to be used more and more.
- Die-casting parts should be used in the structure of automobiles and motorcycles. In addition to the use of vacuum extraction devices, careful control should be taken from material selection, molten metal treatment, mold design, cooling and release agent spraving.
- The Metal Industries Research & Development Centre is developing related technologies to assist domestic manufacturers to produce die-cast structural parts.

金屬工業研究發展中心

Page: 19