Glossary

**Slag-Off Treatment and removing of oxides**: Flux from N100s, N200s, N300s and N400s will be used. N400s don’t contain Na, so it can be used for every molten aluminium. Kindly decide the use of amount (0.2~0.5%) and time, depending on the pollution degree of molten metal. Please make sure to rotate the molten metal and adsorb oxides and inclusions.

**Degassing Treatment**: This process is executed by Degassing Equipment New ALPUR and it is simultaneously usable with Flux.

**Improvement**: N700s, Type R, Sr etc will be used. In case aluminum contains silicon such as Al-Si based alloy (silumin) and Al-Si-Cu based alloy, Na and Sr would be addicted to improve the device performance and preventing ingot piping.

**Refining Treatment**: N800s and TIBW will be used. Aluminum crystal is separated by the flux which mainly contain Ti, B and Zr. For hypereutectic Alloy, Flux comprising mostly of phosphorus will be used.

**Holding**: Please hold for 15~20mins after Flux Treatment. This process can separate the floating oxides, impurities and inclusions from aluminum molten.

**Judgment before Casting**: The final judge will be executed by Volcester or Pin Hole Tester NK1120.

【1】Casting which doesn’t need improvement and refining treatment.
【2】Casting which needs Improvement Treatment.
【3】Casting which need Refining Treatment.
【4】Casting which need both improvement and refining treatment.