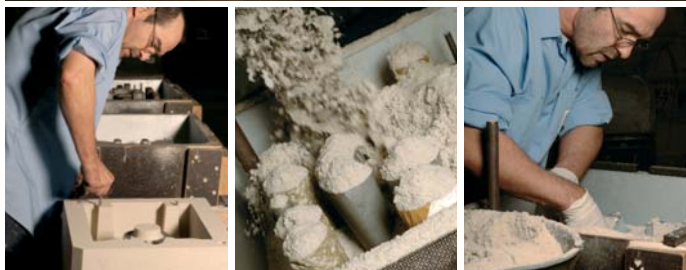




PRODUCTION



Our design workshop will base its production on models drawn up during the feasibility study or on existing equipment. Our skilled personnel will then fabricate the production-ready moulds.

This is a circumstance whereby time and space must be mastered. Once prepared, blended, the dry sand carries on a gradual hardening process shortly after being packed firmly to create a sand mould.

In this short period of time, one will have "visualised" the component to be produced, the molten metal route, which determines the filling system, the sprues and heat sinks.

When the sand is rammed in cope and drag with prints of cores, riser and sprue, the half-moulds are fitted together, guided by pins and by means of manipulators.

Holy of the holies in the foundry, the ovens are looked after with extra special care. Activated in the early hours of the morning, these will in turn be purified, degassed and checked several times for correct composition by means of test-pieces. The appropriate temperature is in the last resort a decisive criterion in achieving a satisfactory cast.

When all the metallurgical criteria are met and the moulds to be filled with the same grade of alloy are assembled, casting may proceed within a pre-established order to condition the internal thermal wave and the material flow.

The moment of truth: the removal of the sand divulges the rough, its technicality, its new life.

The product just obtained must still undergo sawing, finishing operations, followed most of the time by the heat treatments resulting in improved metal structure and mechanical properties. There are finally a shot-peening as well as a final inspection to which we give much importance.



SASMOULIN

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