MASTARS and Prototyping

Established in 1998, Mastars provides extensive manufacturing expertise and capacity. Mastars has four major production facilities located in Shenzhen. Mastars is the ultimate 'one stop' shop. An integrated services operation which is complemented with an unusually high degree of flexibility. Mastars takes pride in its ability to turnaround samples in surprisingly short time frames.

[1] PROTOTYPE TOOLING: The prototype tooling process incorporates pre-made steel cavity and core inserts. The inserts are DME#2, P20, or NAK80 (for highly polish parts) using CNC (computer numerical control) and EDM (electrical discharge machining) to produce the core/cavity details allowing for 'production’ quality tolerances and surface finishes.


[3] VACUUM CASTING (RTV): A broad range of thermoplastics and elastomers can be simulated, these can also be over-moulded to in turn simulate, for example, rubber over ABS, or opaque plastic over transparent plastic. It is also possible to over-mould threaded inserts such as urethane cast parts with production-like aesthetics.

[4] CNC MACHINING: Sophisticated CAD/CAM machining technologies are in place, high speed machines can create prototype parts in a wide variety of plastic and metal materials.

[5] FINISHING: hand-finishing such as sanding, polishing and bead blasting sits alongside more sophisticated cosmetic surface treatments including painting, powder coating, artwork, metalising, plating and etching.