

Gold Star Powders

Vacuum Mixing Machines

The mixing of the Investment Powder is vitally important to producing a quality casting, free of bubbles and blemishes, both of which are difficult to remove.

Gold Star Maxivac Vacuum Mixing Machines provide consistent mixing, leading to a superior surface finish, total elimination of air bubbles and highly accurate pouring, ensuring no wax breakage.

Gold Star's Maxivac 17 and 35 vacuum mixing machines are specified to the exacting conditions required for optimum results of the Investment Powder. The vacuum mixers do this by improving the consistency and quality of the mixed slurry through the reduction of air entrapment, and wetting of the powder during the mixing and pouring process.

Gold Star is a fundamental supplier/partner within many industries, from jewellery and aerospace, through to automotive prototype production (for Ford, Mercedes, Ferrari). It plays a vital role in the production of quality industrial castings. Production of these intrinsically complex pieces of machinery means that having superlative industrial castings is essential, and Gold Star provides this. Illustrated in the far-right picture is the large mixing machine used by Selex S&AS (formerly BAE Systems Portsmouth). The large vacuum mixer was designed by GSP specifically for Selex S&AS.

Selex S&AS is a global company engaged in the development, delivery and support of advanced defence and aerospace systems in the air, on land and at sea.



Maxivac 17



Maxivac 35



Special Commission
Selex S & AS

Vacuum Mixing Machines

Technical Specifications

SPECIFICATIONS	MAXIVAC 17	MAXIVAC 35	Special Commissions
Width (*With control box at maximum outward reach)	620 (*900)mm	1100 (*1430)mm	Specifically designed to customers' requirements. Max weight: 500kgs of powder.
Depth	680mm	730mm	
Height	1410mm	1660mm	
VACUUM FLASK CHAMBER			
Diameter	355mm	550mm	
Depth	240mm	530mm	
Maximum height of flask which can be invested	9"/230mm	12"/305mm	
CAPACITY			
Maximum weight of powder	12kg	25kg	
Number of 6"x4" flasks (Flange type)	6	12	



Mixing action of Maxivac 17 mixer.