

Space applications

Detailed testing capabilities

Model type	Model rigging	Wind tunnel	Typical test program	Test objective	Mach number range
Full model (typical diameter: 70 mm).	Sting mounted, with / without jet simulation (hot or cold).	S3MA	<ul style="list-style-type: none"> • α sweep polars. • Roll polars. 	<ul style="list-style-type: none"> • Fin loading. • Full model loading. 	0,1<M<5,5
Full model. Typical diameter: 200 mm.	α/β support With / without jet simulation (hot or cold gas).	S4MA	<ul style="list-style-type: none"> • α sweep polars. • β sweep polars. • Internal flow. 	<ul style="list-style-type: none"> • Full model loading. • Jet simulation (hot and cold gas). 	2<M<12
Nozzles	Wall mounted balance. Supply pipe equipped with strain gages and accelerometers.	S4b	<ul style="list-style-type: none"> • Mass flow variation. • Very high pressure ratio. 	<ul style="list-style-type: none"> • Steady thrust measurement. • Unsteady loads on nozzle. 	
A completer - voir Mignosi		F4			