

Mechanical Ground Support Equipment

CAPABILITY SHEET - HANDLING AND INTEGRATION FIXTURES - GRAVITY-OFFLOAD RIGS - TRANSPORT CONTAINERS

THE SYSTEM

WHAT	Handling, lifting, integration, tilting, deployment-test and transport equipment for flight hardware - none of which flies itself.
OUR ROLE	Design and analysis, fabrication, interface hardware, actuation, alignment, offload rigs, containers, proof testing and certification.
STATUS	Engineered to order; quoted across handling-fixture, integration-fixture and test-jig requirements. No delivered equipment is claimed.

THE GOVERNING IDEA

NOTHING HERE FLIES	And all of it can end a mission. This is the one class built to be worth less than what it holds, which inverts every usual priority.
NO SINGLE POINT	No single-point failure in any load path over flight hardware. Design factors well above industrial practice, every path proof-tested.
CUT THE POWER, NOTHING MOVES	Self-locking actuation - screw jacks or counterbalanced hydraulics - with hard mechanical stops behind every programmed limit.

THE MACHINE

CLEANLINESS IS A DESIGN INPUT	14644 rooms drive non-shedding materials, silicone-free low-outgassing lubricants, sealed bearings and captive fasteners.
THE INTERFACE IS THE PRODUCT	Engages at defined hardpoints, introducing no parasitic load into a structure qualified for flight rather than for handling.
TRANSPORT IS A TEST	Environmentally controlled containers on isolators, with shock and tilt recorders read on arrival and filed with the article.

DISTINCT & HONEST

CANCEL GRAVITY TO PROVE IT	Legs, ramps and arrays are built for low gravity and cannot lift themselves here, so offload rigs carry the weight.
MEASURE THE MECHANISM, NOT THE RIG	Offload rig masquerades as mechanism behaviour, so it is minimised, characterised and subtracted.
ENGAGEMENT	Send the article mass, the hardpoint geometry and the clean-room class to sales@neometrixgroup.com for a compliance matrix in two days.

DEFENCE PROGRAMMES DESK

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