

Broad Oak Grit Blast and Paint Spray Facility

A trusted partner

Maritime Services provides manufacturing and through-life support services of highly complex electronic integrated systems, sub-systems and modules for high integrity applications.

The Grit Blast and Paint Spraying facility at Broad Oak comprises of a Blast Room and Paint Spray Booth both 13 m long x 6 m wide x 4.5 m high.

Each booth can safely accommodate equipment such as:-

- Fire Control Trackers
- Surveillance Radar Antennae
- 20 ft ISO Containers
- Land based radar antennae.

A 3.2 tonne overhead crane situated directly in front of the booths provides manoeuvrability of equipment in preparation for loading, whilst the 1 tonne winch in the Blast Room aids easy loading onto the booth blast media recovery floor system.



Paint Booth

Similar in size to the adjacent Blast Room, the Paint Spray Booth provides Broad Oak with a facility that fully compliments the grit blasting mechanical pre-treatment process.

Chemical pre-treatments such as Etch primers can be sprayed to thicknesses of 5-8 microns.

Priming and finish topcoats sprayed to required specification gloss levels and paint finishes.

The Paint Booth also serves as curing oven with operating temperatures ranging from ambient to 70°C.

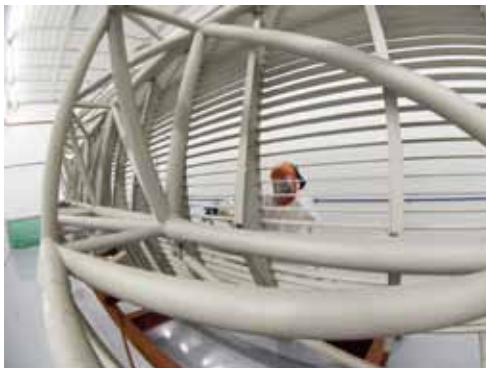
With total control over operating temperatures, job turn around times are vastly improved.

Separate to the Paint Booth is the "Paint Kitchen"

A stand alone paint mixing booth, used for paint preparation and viscosity checking.

This room also incorporates a gun wash and distilling machine for cleaning spraying equipment after use and removing / recycling gun wash solvent from solid paint contaminated waste.

This reduces the amount of waste in the environment as well as reducing disposal costs.



Blast Room

Used for the removal of paint and corrosion from a variety of Military and Civilian products, the Blast Room uses a high chrome granulated stainless steel blast media, which is 100% recycled by way of its modular corridor recovery floor system.

Spent blast media is sieved and air washed and returned to the pressurised blast vessel and hose to be constantly recycled.

This ensures that only contaminated waste particulates from the product i.e. paint and corrosion are extracted into the Dust Arrestor Silo thereby reducing hazardous waste whilst maintaining the quality of the process.

Many safety features are incorporated into the Blast Room such as anti-explosion extraction ducting, high wattage emergency lighting and safety door interlocks with warning lights to prevent entrance during blasting.

Benefits

This niche facility provides Broad Oak with total quality control and provides better customer service by having:

- An end to end process
- Reduced operation times
- Reduced transport costs
- Reduced handling cost
- Provision for customers future requirements.

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