

**Paint Dock**  
**for**  
**Eurofighter (Typhoon)**

**Client:** EADS Manching, Germany

**Supplier:** MERO GmbH & Co KG  
Max-Mengeringhausen-Str. 5  
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**Paint Dock B30 D 000098****Function, Customer requirements**

The paint dock elements serve for the apply of surface protection as well as for the final marking before submission and could be used as well for single- as for two-seater A/C.

The aircraft has to be moved into the hangar on its own landing gear and positioned. It will be lifted with hydraulics jacks up to a level giving minimum clearance above the hangar floor.

**Description of the dock, Problem solution**

The individual dock elements are designed to allow unhindered access to the entire surface of both aircraft types.

Whereas the lightweight tail- and nose dock elements will be pushed and positioned manually at the requested areas, the wing portal will run via guidance and friction wheel driving mechanism, controlled from the upper platform level, and herewith moving transversely to the aircraft axis.

In the nose dock there are respective flaps integrated, allowing free access and painting of the critical fore-plane area.

Furthermore the construction of the platforms guarantees application of the primer and approach painting of the two protective coatings wet in wet as well as on full fuselage and wing upper surface.

Workers while painting will be secured by safety ropes attached to the platform structure and avoiding herewith falling from the platform.

The wing portals as well as the tail platforms are equipped with compressed air, which are connected with hoses and the quick disconnect couplings from the hangar connection point.

