



Case Study: Custom Fabrication for Milaha's MTQ LARS ROV Lifting Frame

Client: Milaha

Challenge:

Milaha's MTQ LARS ROV required robust and reliable pad eyes for their lifting frame. These pad eyes are essential for the safe and efficient operation of the remotely operated underwater vehicle (ROV). The client needed a custom design that would meet their specific requirements and be compatible with the existing lifting frame.

Solution:

Our team of experts was assigned to design, fabricate, and supply custom pad eyes that met Milaha's specifications. We conducted a thorough analysis of the requirements and challenges to create a design that would be both functional and durable. We also engineered and manufactured the necessary pins to secure the lifting arm to the pad eyes, ensuring seamless integration with the existing system.

Execution:

After finalizing the design, we began the fabrication process of the custom pad eyes. We used high-quality materials and precision tools to ensure that the final product would meet our client's requirements and industry standards. Once the pad eyes were ready, we installed them on the lifting frame, making sure that they were securely attached to the structure. We then performed a meticulous 3-coat paint application to enhance the durability and corrosion resistance of the repaired areas. To validate the integrity and compliance of the installation, we performed thorough Non-Destructive Testing (NDT) that adhered to stringent industry standards.

Outcome:

The project was completed with precision, meeting all the client's requirements and industry regulations. The successful implementation of the custom pad eyes has bolstered the operational capabilities of Milaha's MTQ LARS ROV, ensuring optimal performance and safety. The client was satisfied with the quality of the work and the attention to detail that our team provided. The new pad eyes have become an essential component of the ROV lifting frame, ensuring the safe and efficient operation of the vehicle.

Photo references:



Pad Eye Before Change



New Pad Eyes



Finished Unit with new pins and pad eyes