

A close-up photograph of industrial machinery, likely a mold, with a blue and orange color scheme. The machinery is filled with dark, granular material.

# RECOMMISSIONING MOULD TOOLS WITH MILITARY PRECISION

CASE STUDY

# RECOMMISSIONING MOULD TOOLS WITH MILITARY PRECISION

## PLASTIC INJECTION MOULDING



The project concerned the recommissioning of 30 injection mould tools including:

- Stripping back the tools
- Removal of all existing paint
- Replacement of runners and waterways
- Addition of hanging hooks
- Running samples
- Producing ISIRs (initial sample inspection reports)

With a long history of providing toolmaking services for military applications and a reputation for turning round projects within tight timeframes, WSM INDUSTRIES was the natural choice for this undertaking.

Once the tools had been delivered to WSM's state-of-the-art tool room, initial inspections revealed that many included painted hydraulic components which prevented them from operating.

Working to ISO 9001 quality management standards, WSM's engineers applied their industry-leading skills and patience to the meticulous process of cleaning these tools in order to return them to working condition.

When a major supplier of equipment to the military sector required a bespoke injection mould tool service, they turned to globally renowned specialist WSM INDUSTRIES to ensure a project turnaround within just six weeks.

The client has for many years developed products for use in military vehicles such as tanks, helicopters and aeroplanes, creating combat-ready equipment capable of functioning in severe environments and exceptionally demanding battlefield situations.

Despite this dedicated effort, WSM recognised that a number of tools were beyond restoration and set about building replacements in-house.

Having completed the project within the allotted six weeks and delivered 30 production-ready mould tools, the WSM team was met with high praise from their satisfied customer:

**“ The time from tool delivery to sampling was extremely good and WSM have since added value by offering additional services such as welding and tool manufacture. ”**

This means the client can continue to benefit from their partnership with WSM across the long term while enjoying the efficiency of dealing with just a single provider for all their injection moulding requirements.



## WSM AND THE MILITARY SECTOR

Having served the military sector for many years, WSM INDUSTRIES is acutely aware of the need for precision, performance and durability in the production of plastic products and components.

As a specialist in the use of military-grade plastics that are lightweight and versatile yet able to withstand hostile conditions, WSM INDUSTRIES' mould tool solutions are an essential element in the production of parts that can mean the difference between life and death.

From the smallest, most intricate surveillance components to high-tolerance vehicle parts, the WSM INDUSTRIES' tool room houses the cutting-edge technology and expertise required to meet the standards demanded by military professionals.

That's not to mention WSM's comprehensive service offering – covering design refinement, prototyping, toolmaking, injection moulding and post moulding – which provides military clients with complete in-house support at every stage of their project.



## PLASTIC INJECTION MOULDING

Whether you require small or large components, recycled material, engineered polymers, single-component production or whole-product assembly, we offer the complete solution.

[find out more](#) →



## WSM INDUSTRIES

Unit 7, Marlborough House,  
64 Marlborough Road, Lancing  
BN15 8UF

**T** +44 (0)1903 875 888  
**E** [info@wsm-ind.com](mailto:info@wsm-ind.com)  
**W** [wsm-ind.com](http://wsm-ind.com)

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