

# Sub-Contract Services

## Generating Solutions



IMPCO offers a sub-contract solution for a variety of part types, sizes and features. Our flexible approach to Microfinishing and the processing of parts has allowed customers to benefit from the World leading process without the initial capital investment.

Within the sub-contract department we generate MLP [Make Like Production] solutions that will allow you to obtain a consistent surface finish on a wide range of components. We have years of experience in delivering cost effective and reliable solutions for a wide variety of clients. These include Formula 1 race teams who trust IMPCO with high performance tolerance requirements as well as the majority of major engine manufacturers, gas or diesel, large or small.

At IMPCO we have the capacity to process a batch of 1, through to small production runs in excess of 50,000 parts. Our flexible approach to work will ensure we consistently meet your production requirements.

A few of our sub-contract capabilities are:

- Optimized surface topography – reduced friction on running surfaces
- Optimized component geometry – reduced high & low frequency surface chatter
- Reduced 'Oil Film' thickness – allowing reduced



By working closely with our customers, we are able to identify problems and determine root-cause strategies on failed components. With this information, we then apply our understanding to develop a production intent solution that creates a superior surface finish topography to the component. All this is done while providing support through product testing to ensure we have produced a solution capable of withstanding the rigors of testing as outlined by our customer. We have many success stories based over many years of working closely with our customers.

- High volume, high performance solution for components up to 0.8mtr in length
- Low volume, high performance solutions up to 0.8mtr in length
- Low volume, high performance Heavy Duty solution up to 4mtr in length
- Flexible Microfinishing solutions are available where low production with a high variation in product variation.

At IMPCO we are able to support our customers with product development, through process optimization for their Microfinishing needs; from prototype parts to full production runs. Our close partnerships with OEM's research facilities ensures we are able to develop a process that meets their needs. The knowledge gained and developed through our in-house Research and Development process is transferable into a production environment.

When you have a finishing question, IMPCO's fully staffed and equipped Research & Development facility will help you get the answers you are seeking.

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