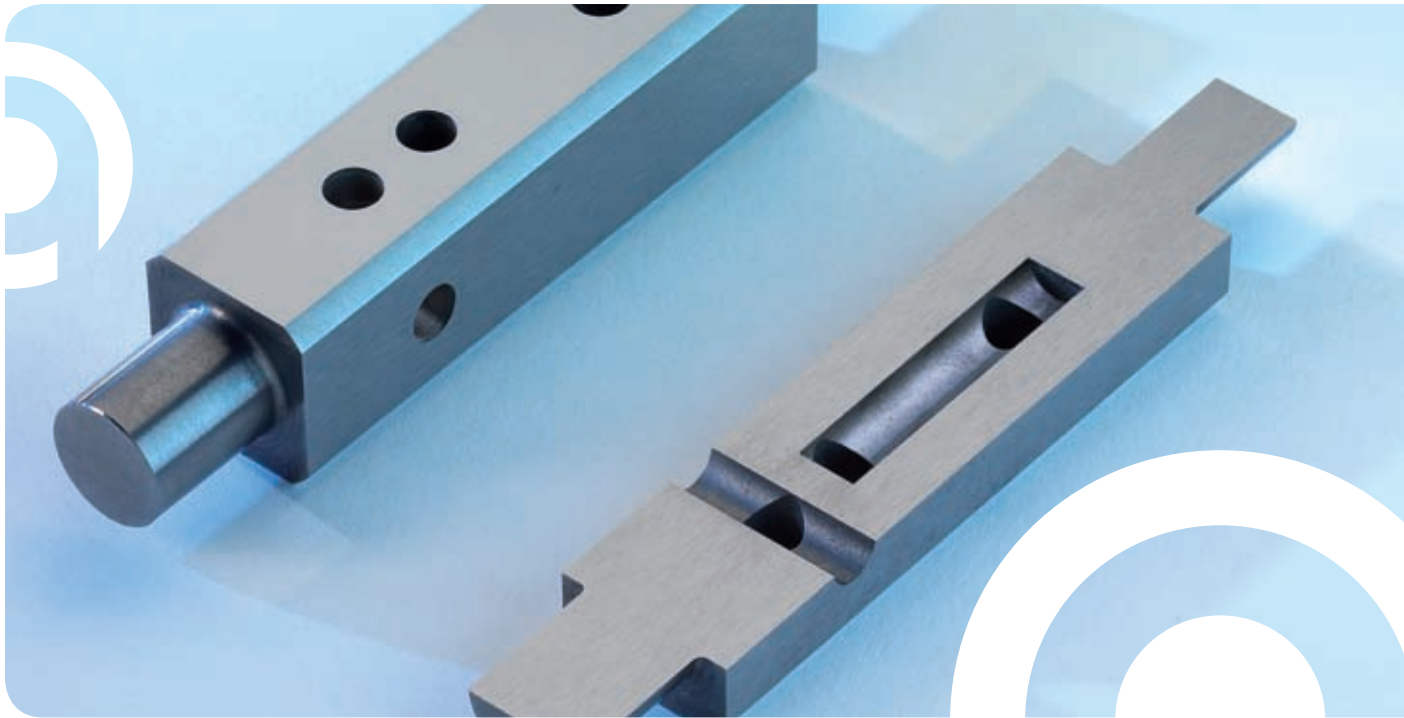


# intraform™

Form a new perspective



What is Intraform™?

**Intraform™ is a new process to produce tungsten carbide components with complex internal forms for use in harsh environments and performance critical applications, such as valves in high-pressure fluid applications.**

Where does Intraform™ come from?

The process has been developed and refined over many years using the expertise of our in-house R&D specialists and has more than exceeded predicted results. The opportunity to develop the process further for a specific customer application spurred us on to design and create production methods that guarantee component reliability and longevity.

We are launching the Intraform™ process on the back of data collected and analysed from many field trials undertaken by existing and prospective customers.

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How can Intraform™ help me?

The Intraform™ process allows us to create complex internal wear critical forms which can last up to **10X longer** than equivalent cast steel parts. The resulting increase in component performance and reliability drastically reduces the impact and cost of downtime through component failure or unexpected maintenance requirements.

Due to the properties of Tungsten Carbide, the Intraform™ process can be used to create components for use with abrasive and corrosive liquids at high pressures offering the huge benefits of this incredibly durable, wear-resistant material, over traditional cast metals.

Who has used Intraform™?

Developed to meet a specific customer application, the process has been independently tested to over 25,000 cycles at 760 bar and easily managed to cope with a 90-day corrosion test. Products have also been customer tested to an incredible 1140 bar without any signs of breakdown or weakness.

This capability will open up significant new possibilities, giving engineers unprecedented flexibility for the design of flow control components.



Why Total Carbide?

We have perfected a reliable process for creating highly complex internal forms in Tungsten Carbide. As a leading developer of Tungsten Carbide products, we have been producing the highest quality wear-parts across many industries for over 60 years.

If you would like to find out more about what Intraform™ can do for you, contact Total Carbide today:

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**Email:** [info@totalcarbide.com](mailto:info@totalcarbide.com)

We pride ourselves on our friendly personal service with a “your problem is our problem” approach.

Our sales and engineering team are able to work as part of your development team to ensure that results are achieved with as little compromise as possible. Our customer focussed approach means that you end up with truly unique solutions that give your organisation the opportunity to develop competitive advantage into your equipment.

With a wide range of post-production processes on site including fine-finishing of products, we guarantee fast turnaround times and the highest attention to quality.

We assure you of our utmost attention - so call us today and begin a unique process that will ensure you get the right product at the right time.