

INTEGRAL BODY / MONOBLOCK TOOLS



Monoblock Tools Increasing in Popularity

Integral body or monoblock tools are becoming increasingly popular among production engineers who value their rigidity, simplicity and plug-and-play convenience over indexable tooling. These tools are made possible by our true 5 axis machining centers and improved diamond erosion equipment. STF keeps a sizable inventory of prefinished blanks in all popular holding sizes for rapid production and delivery.



Monoblock: A Better Mousetrap

The argument for monoblock tooling is simple. Crashed or worn out indexable cutter bodies are expensive to replace, and presetting inserts is a headache that unless done correctly, scraps parts and lowers tool life. PCD segments brazed and finished directly onto an integral blank is a model that provides a quicker, less expensive alternative to indexable cutters. Our regrind and rework programs allow for tool bodies to be used many times and come plug-and-play ready out of the box.

STF Precision Tools Produce the Sharpest Cut in the Industry

	Name	Industry	Comments
	Three Step Reamer	Automotive	STF can design combination tools to coordinate multiple operations in a single tool such as this reamer that is able to ream three different holes from one part.
	Milling Cutter	Automotive	STF excels in all types of Integral Face Milling Cutters that generally outperform Indexables. Our Retip and Relap services show cost improvements by taking insert setting costs away from the end user.
	50 Taper Reamer	Automotive	STF has the ability to make Integral tools with any adapter style including 50 taper, 40 taper, HSK, Capto, ABS and others.
	ID Grooving PCD Tool	Automotive	This 6 flute PCD cutter extends over eight inches to cut an ID groove.

To learn more about our company and products or to request a brochure, visit stfprecision.com. To schedule an appointment with one of our representatives, call us at 800.798.3686.