

# Smartbore

Micron accurate cutting edge tool adjuster

## Smartbore Cartridge Solution

Rigibore's Smartbore technology allows micron accurate cutting-edge adjustment through precision finishing cartridges, without removal from the machine spindle.

### Smartbore Cartridges Overview

Smartbore finishing cartridges are used for precision machining on **single or multi-feature special tools**.

This solution integrates Smartbore technology as either a replaceable cartridge or built-in as a Fine Adjustment Slide (FAS), covering a diameter range of **16mm upwards**.

Patented Smartbore technology allows fast, simple diameter changes to be made in the machine without the need for clamping in operation.



### Reduce Cycle Time

Smartbore cartridges are built into special tooling solutions, designed and manufactured to the needs of the customer's application.

In-house software allows design of limitless Smartbore cartridges on a single tool, creating the ability to machine multiple features simultaneously, in just **"one shot"**.



**"One Shot"** tooling increases process efficiency, reduces cycle time and minimises tooling requirements.

### Solution Summary



Micron accurate cartridge adjustment down to **1 micron (0.6mm range)** on diameter.



Available as replaceable cartridge(s) or built-in configuration.



Multi-cartridge tooling capabilities **reduce cycle time**.



The Smartbore Digital Adjuster provides simplicity in achieving precision bore sizes.