



*The metal stamping die experts*

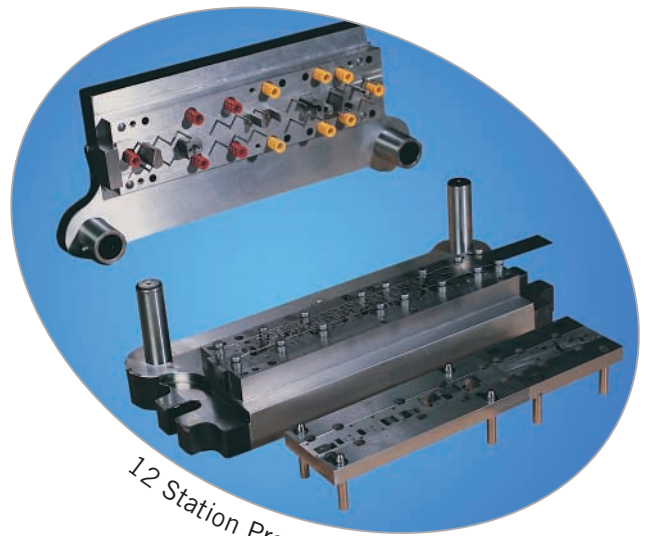
## Building precision press tools...

Fairfit has been building press tools to produce precise metal stamped parts for over 40 years. Our expert toolmakers use the latest techniques to build tooling for stamping parts that meet your exact specifications.

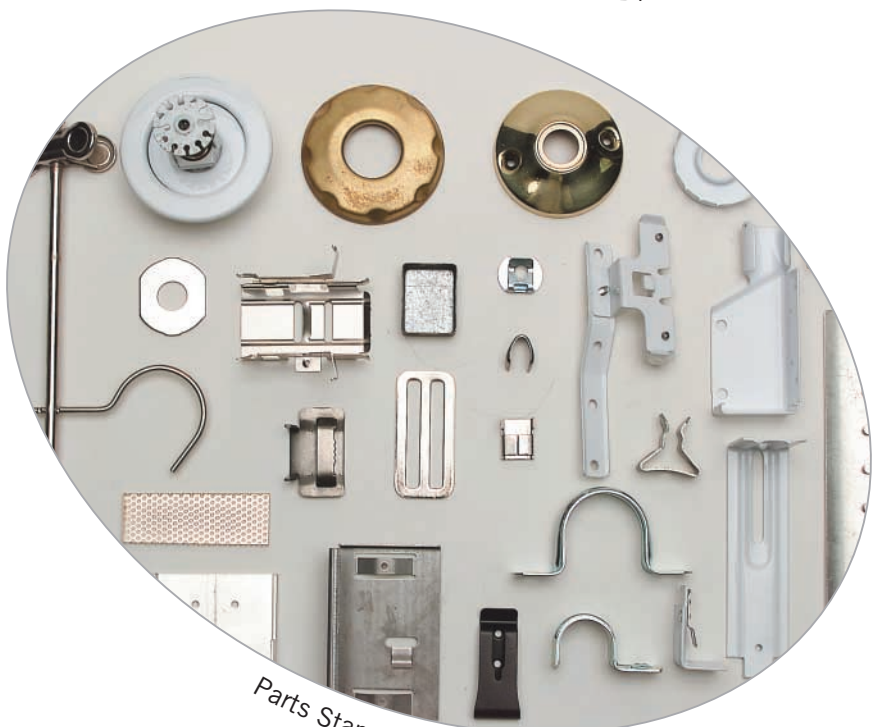
We are specialists at designing and building many types of metal stamping dies - from simple single operation tools to complex multistage progressive dies.

## ...to meet your exact requirements

Our whole team focuses on your needs when designing and building press tools. By gaining a thorough understanding of your requirements and the requirements of your pressed metal parts with respect to- application, function, interface, aesthetic demands and budget we can optimise our efforts and your satisfaction.



*12 Station Progressive Die*



*Parts Stamped From Fairfit Tooling*

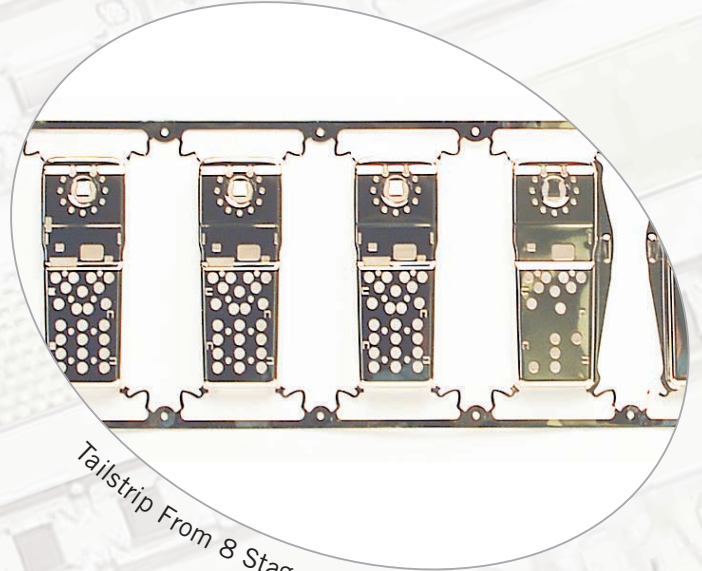


## ...using the latest design methods

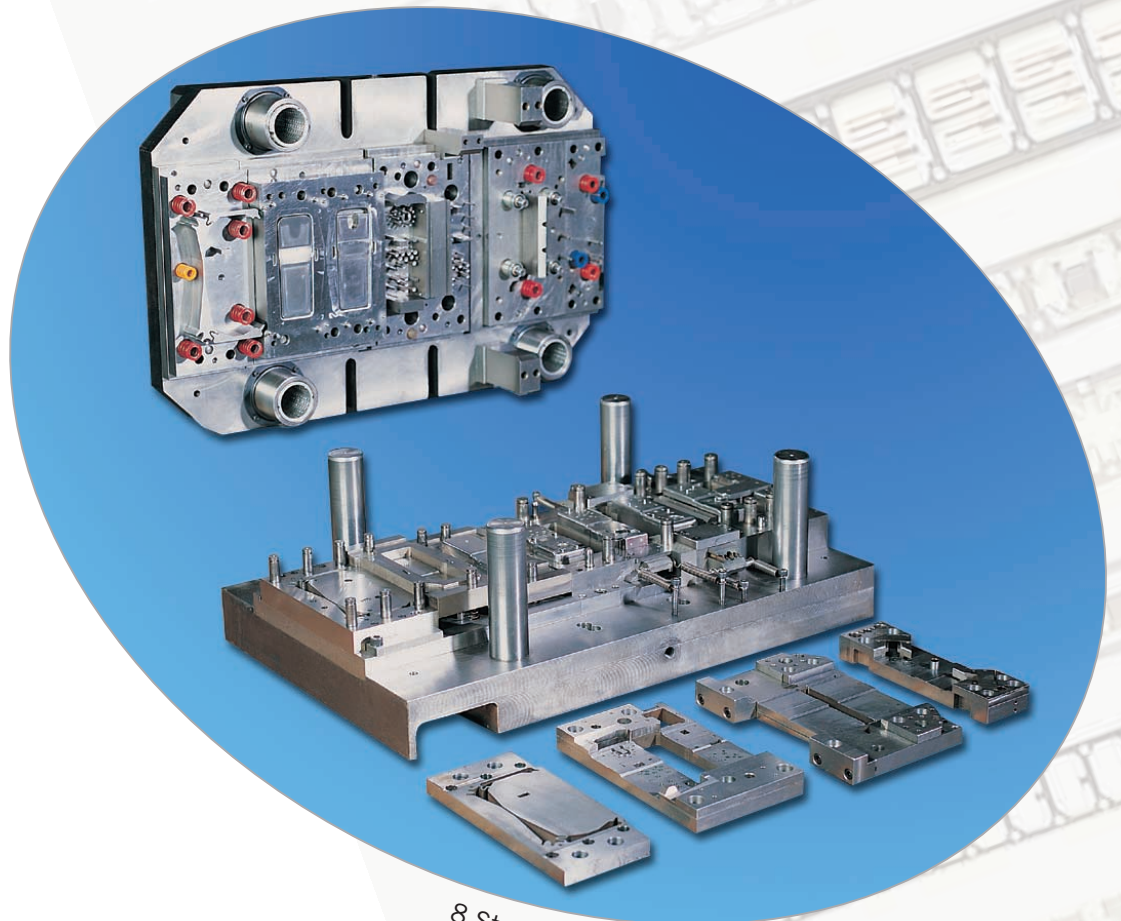
To maximise efficiency we use the latest CAD software. Parts and tools are solid modeled on the computer so they can be analysed for optimal design. We can accept drawings and models using a number of file formats to ensure speed and accuracy during the design process.

## ...with a wealth of experience

We welcome customer requests to be involved at the concept stage of part design. With our knowledge of tooling and the stamping process, we can often make suggestions that reduce tooling and production costs and optimise part design for trouble free production and tool life.



*Tailstrip From 8 Stage Progressive Die*



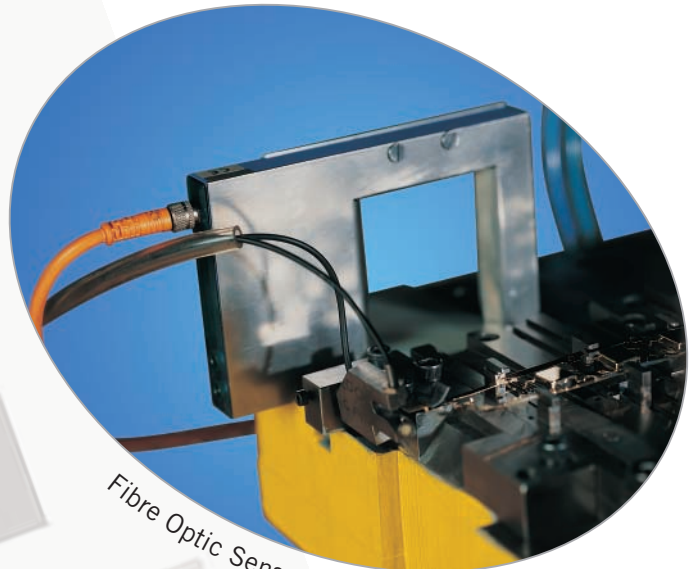
*8 Station Progressive Die*

## ...combined with electronic die protection

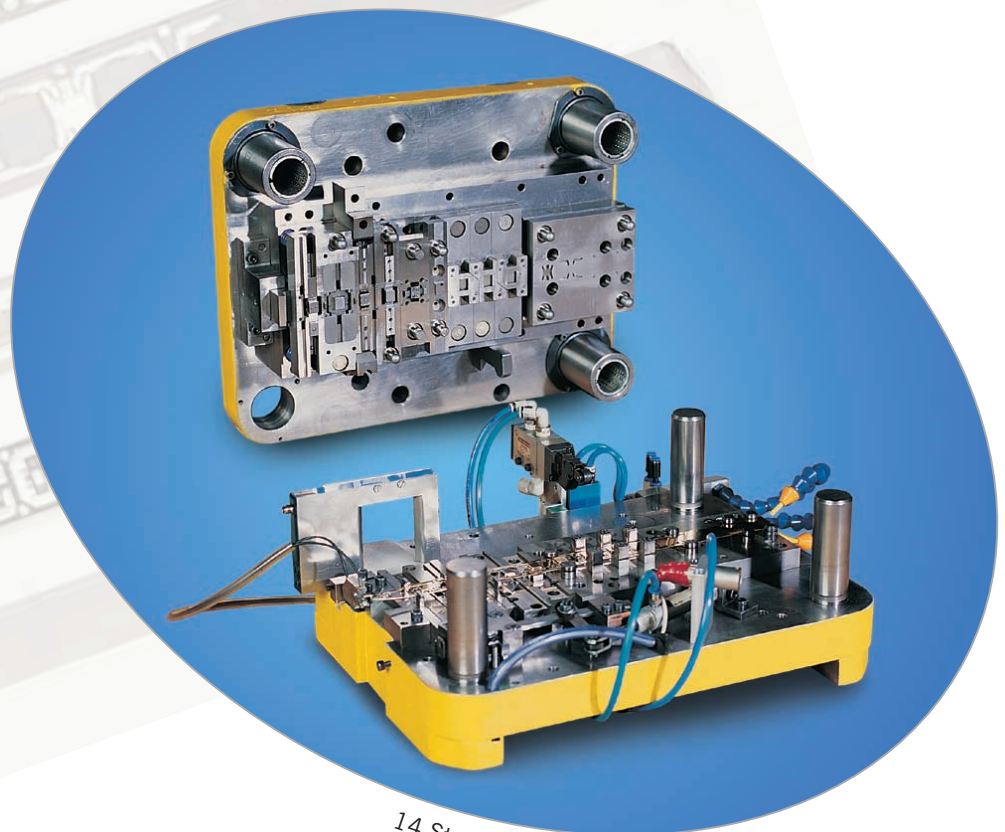
Fairfit tool designers and toolmakers have extensive knowledge and experience using electronic die protection. We can design and fit-out tools with sensors to ensure consistently accurate production of parts and protect dies from damage.

Fairfit built tools are often fitted with electronic sensors to suit the specific requirements of production, quality control, process control and budget. Types of sensors used include fibre optics proximity sensors, micro switches, light curtains, reflective and retro reflective infrared sensors and inductive ring sensors.

We have an in-depth knowledge and experience with pneumatics and control systems, including in-house programming capability for programmable logic controllers.



*Fibre Optic Sensor & Light Curtain*



*14 Station Progressive Die*

## And cost-effective prototype production ...

Over many years we have developed a unique short run stamping system specifically for the development and manufacture of prototype parts and small pre-production runs. With our quick-change tooling we can produce prototype parts to, or near to full production quality for a fraction of the cost of final tooling.

Often, prototype parts can be supplied within a couple of weeks, as our system utilises pre machined die sections and parts held in stock. When a simple or complex part needs prototyping, separate operations are CAD designed and machined into the die blanks that can be quickly interchanged during manufacture.

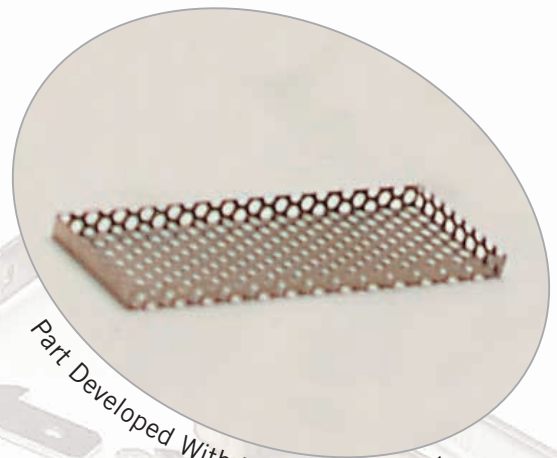
Prototype tooling provides the added benefit of being able to be used by the tool designer to test ideas and collect data needed to optimise the full production tool design and manufacture.

Modifying prototype tooling can be a cost-effective way to develop parts for your products and assemblies.

For more information please contact us or visit our website [www.fairfit.co.nz](http://www.fairfit.co.nz)



*Part Developed With Prototype Tooling*



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