

Specialists in Self Pierce Riveting

Just think how your products could benefit from greater freedom of material choice; stronger materials, lighter materials and dissimilar materials. SPR enables this with no holes, no swarf, no mess, no mandrels, just joining made simple, with no fumes, no noise and no vibration. All these benefits as well as cost savings and more rapid assembly. The technology is clean, safe and easy to use

Typical enquiry process

Generate interest, outline benefits

Demonstrate riveting process

Receive enquiry

Prepare initial samples for customer

Prepare specific samples, tests and detail reports

Prepare outline design of solution specific components

Quotation inclusive of detailed numeric benefits

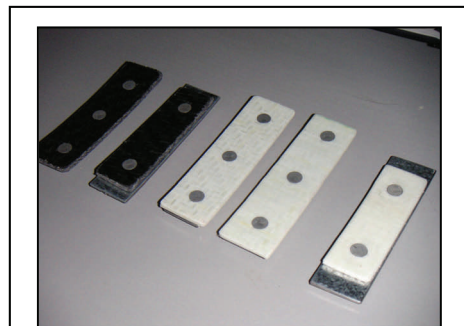
Receive order

Detail design, manufacture and final test

Install, commission, service and support



Typical application samples



Riveted sample coupons



Sectioned riveted joint

**SPR = No Fumes, Low noise, No vibration,
Minimal training, Low cost**

Typical Applications

Automotive chassis

Body panels, doors, roofs / sun roofs, floors

Partitions

Steps / ladders

Signs / rating plates / component fixing

Heat guards, fixed guards, stone shields,
safety and security devices

Building components, lintels, steel frames

Seats

Bracketry

Electrical bus bar ducting and other ducting

Airbag assemblies

Containers and transportation (road, rail, air)

Impact bars, bumpers, roll cages

Switch and pedal assemblies

Leak tight vessels / radiators (handles, sup-
ports)

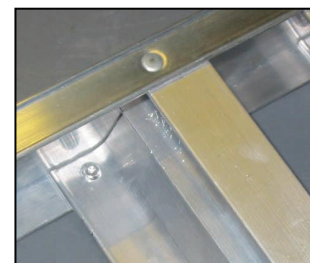
Boats, jet skis, snow mobiles



**Automotive Body-In
White assembly**



**Modular Building /
steel construction**



**Ladders / aluminium
fabrication**



Road signs

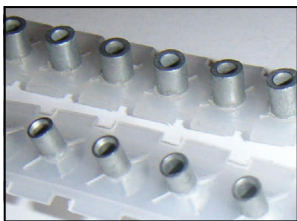
Unique customer focused solutions

Equipment

(Please see data sheets EP11-15 for further information)

Battery operated rivet gun

- Option of rivets loose or in tape



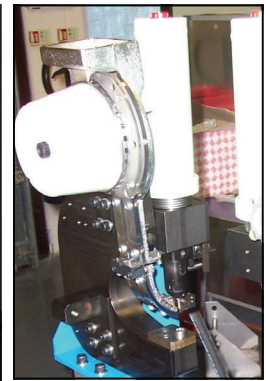
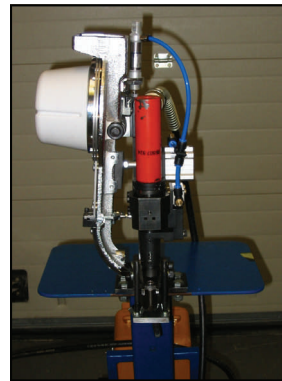
Rivets in tape



Simple hydraulic powerpack

Simple hydraulically powered rivet gun

- Options of feeding system as above



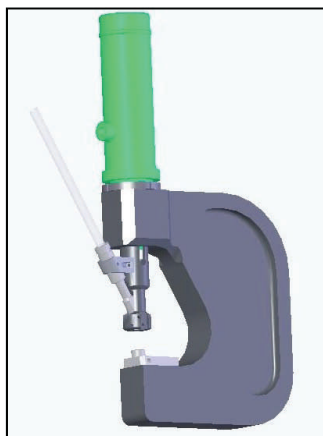
Hopper fed systems

Hopper fed rivet setting machine

- Range of options depending on degree of automation required



Blow feed system



Rivet setting machine with blow feed system

- Advanced automated system to suit application including robot mounting and other advanced features

All systems supplied with tooling to enable correct rivet setting and access paths to joint site

Sprint Self Piercing Rivets

(Please see data sheets FP11-16 for further information)

All Sprint Fasteners are manufactured to conform to stringent standards, including automotive standards. All fasteners are cold formed, uniformly heat treated and plated to industry or customer requirements. Parts are fully sorted and then either supplied loose or in tape direct to the customer

Typical Sprint Rivets



Rivet manufacturing facility



Sprint rivet features

Headstyles

Domed, countersunk, flat

Fastener sizes (shank diameters)

Less than Ø3mm to greater than Ø6mm

Joint thicknesses

Less than 1mm total stack to greater than 10mm total stack

Corrosion Performance

To suit application, systems available that are greater than 1000hrs (to 5% red rust ASTM B117)

Sprint have the widest range of
Self Piercing rivets in the market

Cost effective, tailor made joining
solutions for your industrial application