



Zepf Technologies UK



GLOBAL LEADER IN CONTAINER
HANDLING CHANGEPART TECHNOLOGY



Zepf Technologies UK is based near Glasgow, Scotland. We design and manufacture container handling change part systems mainly for rotary packaging machines in liquid filling. A renowned approach to continuous product development and constant focus on quality and customer service clearly differentiates us from other container handling change part manufacturers.

Our truly global customer base manufacture branded products that are household names around the world. Market sectors include:

- ⊕ **Drinks/beverages:**
Spirits, wines, beers, water, soft drinks, coffee.
- ⊕ **Personal care:**
Cosmetics, perfumes, deodorants, shampoo, conditioner, soaps, shower gel.
- ⊕ **Cleaning products:**
Fabrics, household goods.
- ⊕ **Food:**
Sauces, herbs and spices, vegetables in jars.
- ⊕ **Oils:**
Edible, lubricants.
- ⊕ **Pharmaceuticals:**
Liquids.
- ⊕ **Container manufacturers:**
Glass, plastic.
- ⊕ **Aerosols:**
Antiperspirants/deodorants, air fresheners, hair-sprays.

Our Products



Core & Racop



Standard Parts

Multi-position Changeparts



Feedscrews

Adjustable Conveyor Guiderails

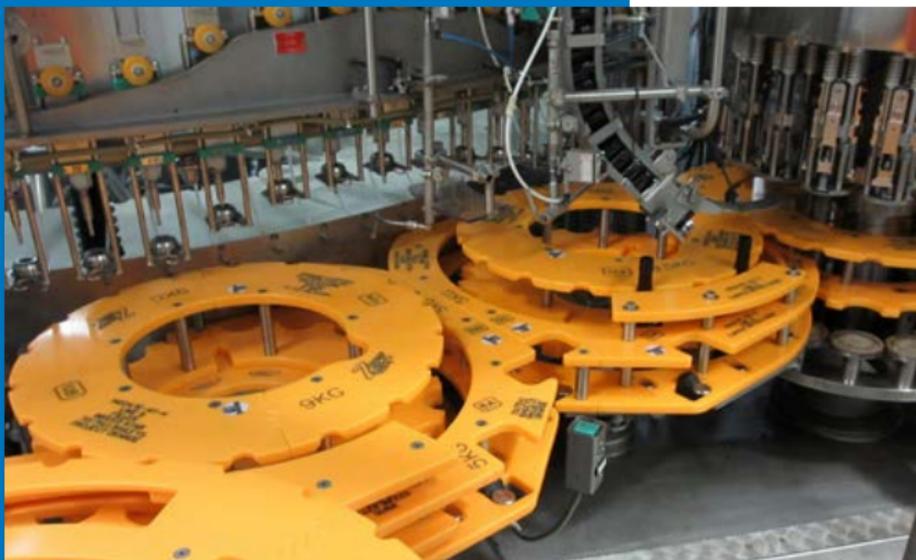


Core & Racop

Our traditional quick release changepart system is known as 'core and RACOP'. Every set of parts comprises 316 stainless steel core components, which become a permanent fixture to the machine, and the RACOP (Rapid ChangeOver Parts) that are a set of removable plastic changeparts custom designed for a specific container. The RACOP may consist of star-wheels, guides, feedscrews or any other form of size changeover part. The Zepf UK design of the RACOP takes into account the ease of removal or replacement in addition to the manual handling of parts.

The RACOP can be manufactured from a range of 14 colours of 1000 grade UHMWpe.





The main benefits of this system are:

- ⊕ Size changeover time is reduced significantly as parts are quick release.
- ⊕ No tools are required.
- ⊕ No set-up or timing of parts is necessary.
- ⊕ RACOP parts normally weigh less than OEM parts.
- ⊕ Minimal training is needed.
- ⊕ Enables easy identification.
- ⊕ Colour coding provides confirmation that each changeover has been fully completed on every machine.

Standard Parts

If a machine has a number of existing OEM (Original equipment manufacturer's) standard parts and it would not be cost effective to convert to our quick change systems Zepf UK have the capability to measure the machine and design and manufacture additional sets of parts for other containers.

Multi-Position Changeparts

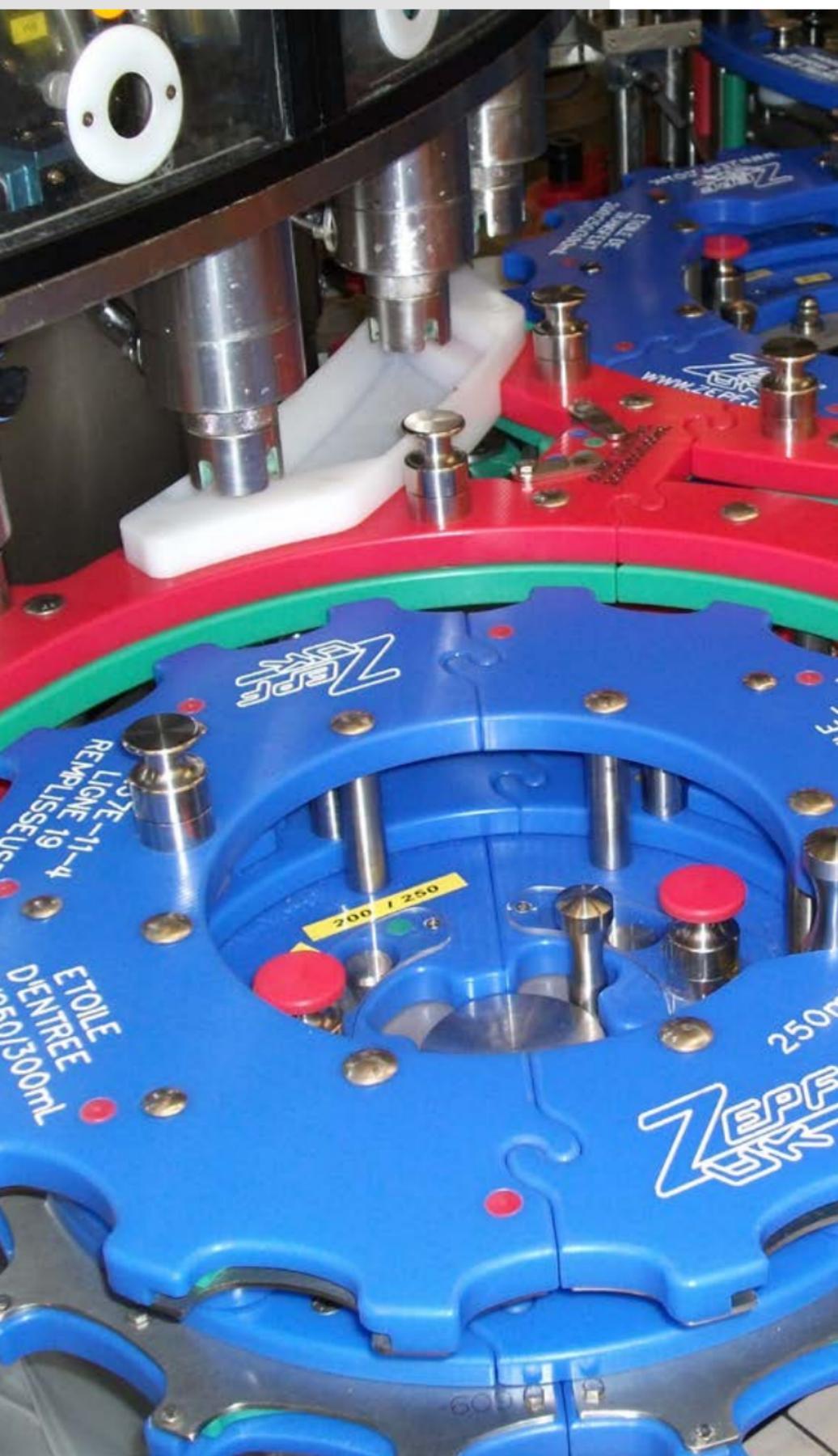
At Zepf UK we continue to invest in our portfolio and the development of multi-position changeparts has taken our customers changeover times to the next level in terms of speed and user friendliness. These parts also have added benefits including reduced manual handling, reduced storage and reduced lifecycle costs when compared to the standard style of changeparts.

The main benefits of multi-position changeparts are:

- ⊕ Faster changeover.
- ⊕ Fewer parts to store.
- ⊕ Less manual handling.
- ⊕ More production time available.





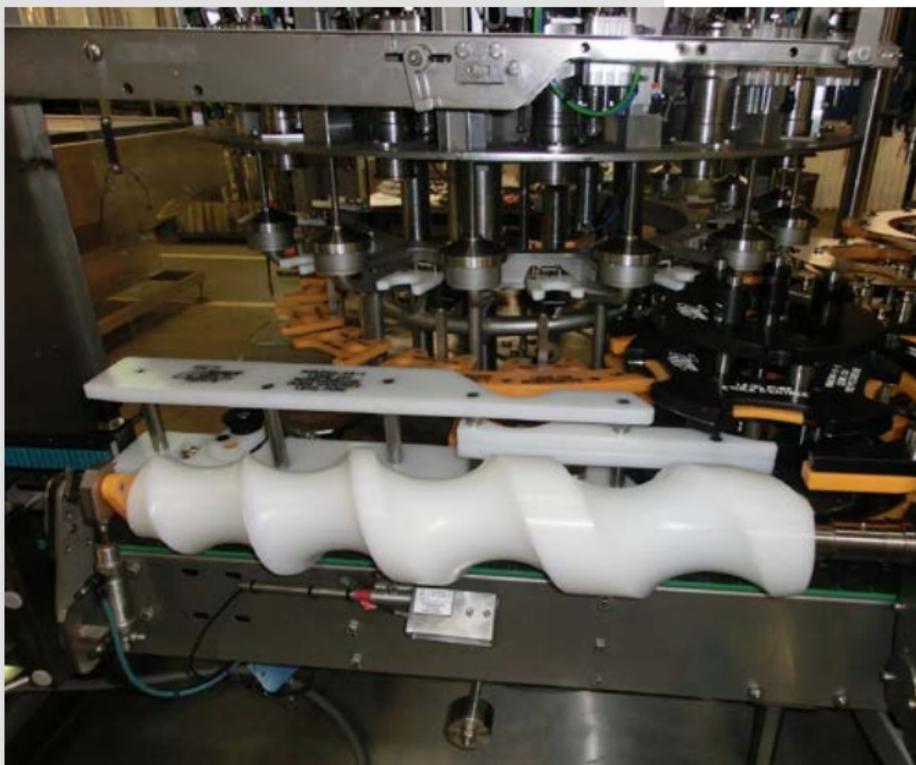


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Feedscrews

Feedscrew design is a particular area of expertise for Zepf UK. Our customised software gives us a distinct competitive advantage as it enables us to design and manufacture feedscrews for many difficult container handling applications.





Our feedscrews can be designed to:

- ⊕ Accelerate.
- ⊕ Decelerate.
- ⊕ Pitch.
- ⊕ Turn 90 degrees.
- ⊕ Orientate in one chosen direction.
- ⊕ Group containers together.
- ⊕ Combine 2 lanes into 1 or vice-versa.

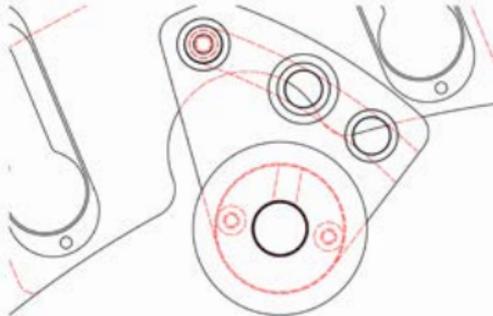
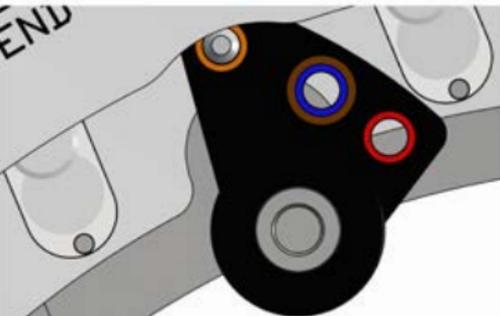
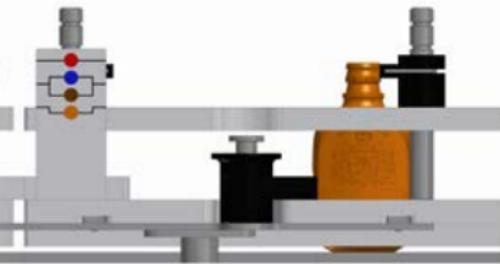
Generally the feedscrew is manufactured in the same UHMWpe material as the container handling changeparts although on occasion other materials may be used to suit a particular application. Similar to our core and RACOP system our quick release feedscrew system allows a feedscrew to be removed and replaced without the need for tools or timing adjustment. Where necessary we can design and manufacture the feedscrew to fit any other manufacturer's mounting system.

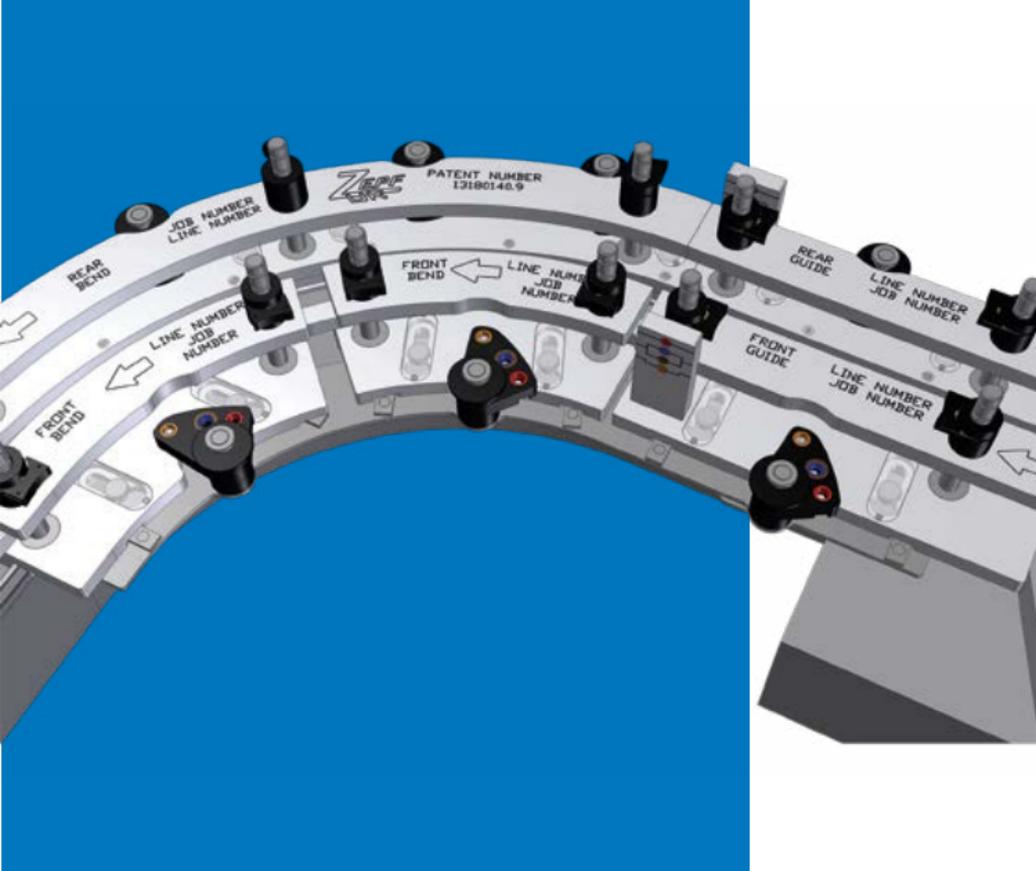
Adjustable Conveyor Guiderails

Using the same design principles as our quick changeover machine parts Zepf UK has developed a unique quick size change guiderail system which enables repeatable changeovers to be carried out quickly and accurately by line operators.

Width setting is achieved using a 'spider' cam that rotates to the required guiderail setting. The 'spider' then locks in place ensuring a robust and repeatable changeover with no adjustment required. These can also be designed as height adjustable parts covering a wide range of bottle shapes. The settings are colour coded to ensure mistake proofing.

For long runs of conveyor in many instances one side can be adjustable with the other remaining fixed apart from a short section of changeover part at the subsequent machine entry. This is to allow containers to be on the centre line of the conveyor to enable good pick up in the infeed screw.





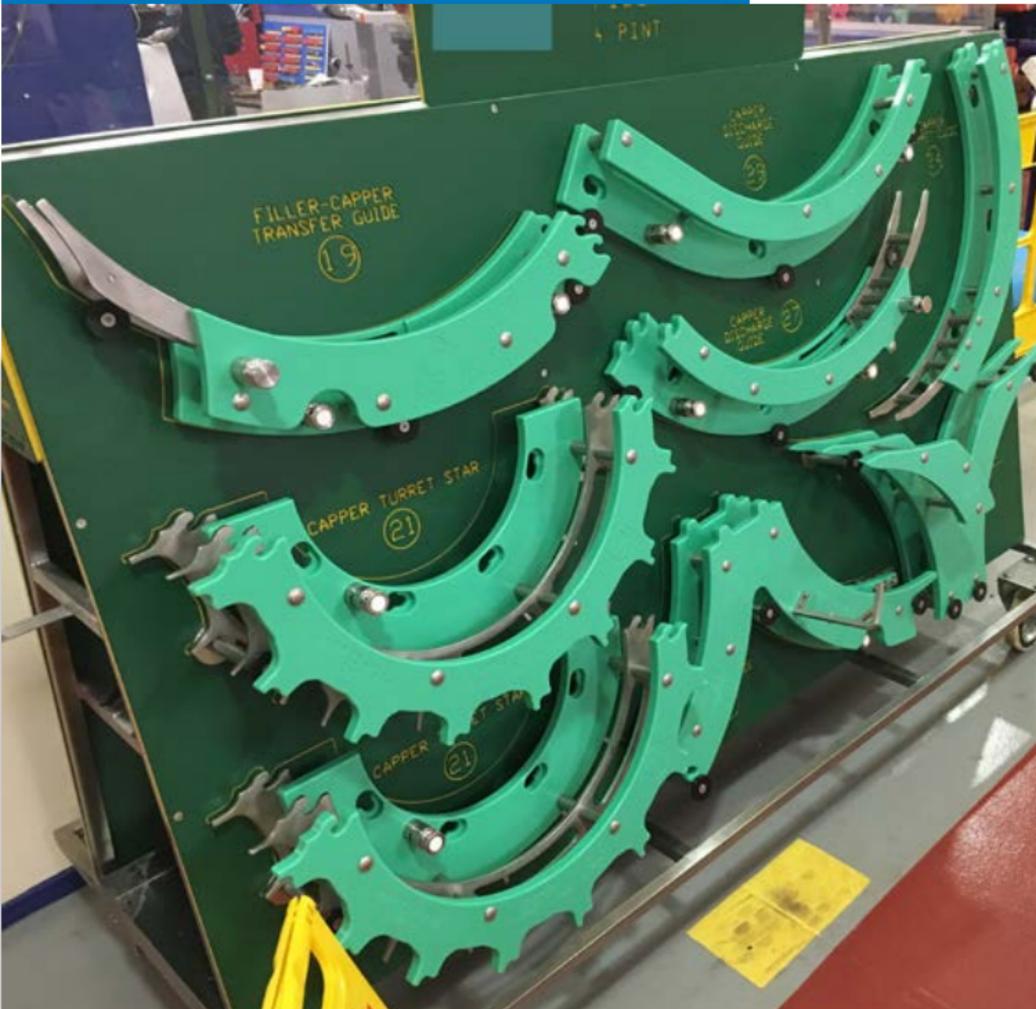
Similar to our other parts these conveyor guiderails are generally manufactured in 316 stainless steel and UHMWpe and are custom designed to suit specific containers.

Complementary Products

Our range of complementary products add further levels of standardisation and build on the quick changeover methodology for our customers.

- ⊕ Changepart storage trolleys facilitate excellent levels of 5s with all parts stored in an organised and well thought out manner. This helps facilitate optimum changeover times, clear visibility of the condition of the parts and much improved ergonomics making manual handling much easier than conventional storage solutions.
- ⊕ Single and multi-position container platforms further simplify the process on many rotary machines.
- ⊕ Neck and body guides/grips add higher levels of mistake-proofing and accuracy into the changeover process.





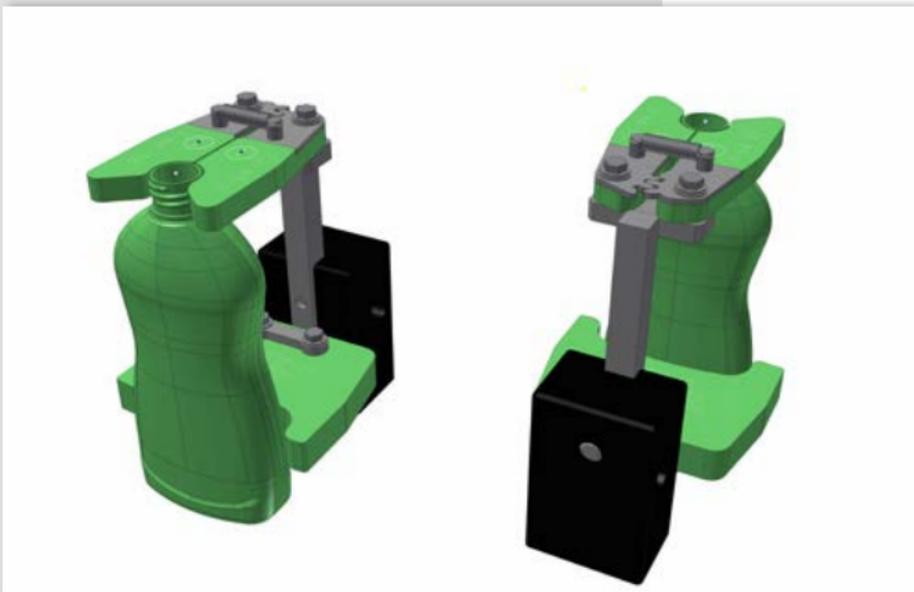
Service & Customer Care

Zepf UK's excellent reputation has been built on the strong foundation of quality, service and customer care.

We have retro-fitted parts to all types of rotary packaging machines around the world. For any machine that is difficult to carry out a size changeover a Zepf UK design engineer can conduct a professional survey and 'measure up' at the customer's premises to provide the best possible solution.

Quotations are provided in a timely manner and following receipt of an order the work is added to the design and manufacturing schedule. A delivery date is set and an installation and commissioning program agreed with the customer. Our service engineer can carry out operator training immediately after the installation has been completed and advise the best sequence of removal and replacement of the parts.

All Zepf UK designed parts are given a unique reference number which can be quoted if future replacement parts are required.





Quality & Environment

Zepf UK is an environmentally conscious organisation wholly committed to an ongoing programme of quality improvement initiatives, as illustrated by our attainment of ISO 9001 and ISO 14001 certification.



Easy Identification

Zepf Technology UK changeparts and feedscrews can be produced from the following range of standard colours:



01 Purple



03 Brown



04 Orange



05 Dark Blue



08 Maroon



09 Red



10 Yellow



11 Dark Green



12 Light Green



13 White



14 Black



15 Royal Blue



16 Charcoal Grey



17 Bright Pink



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