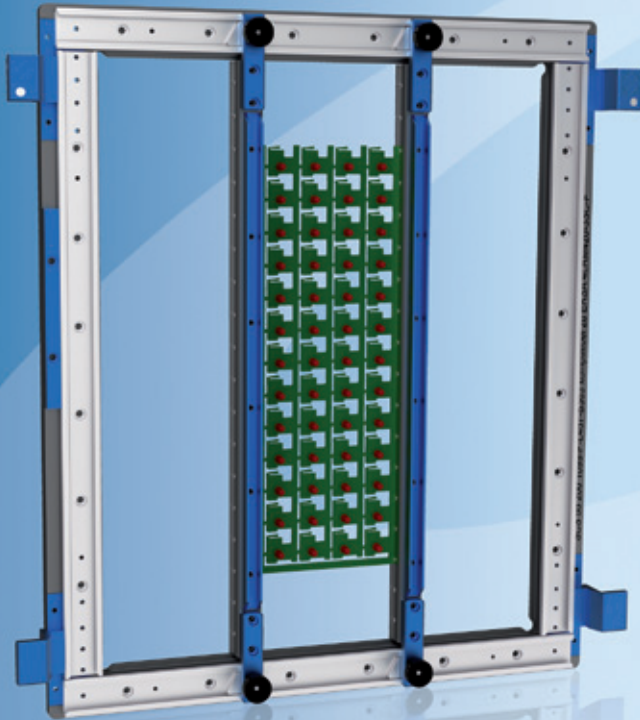




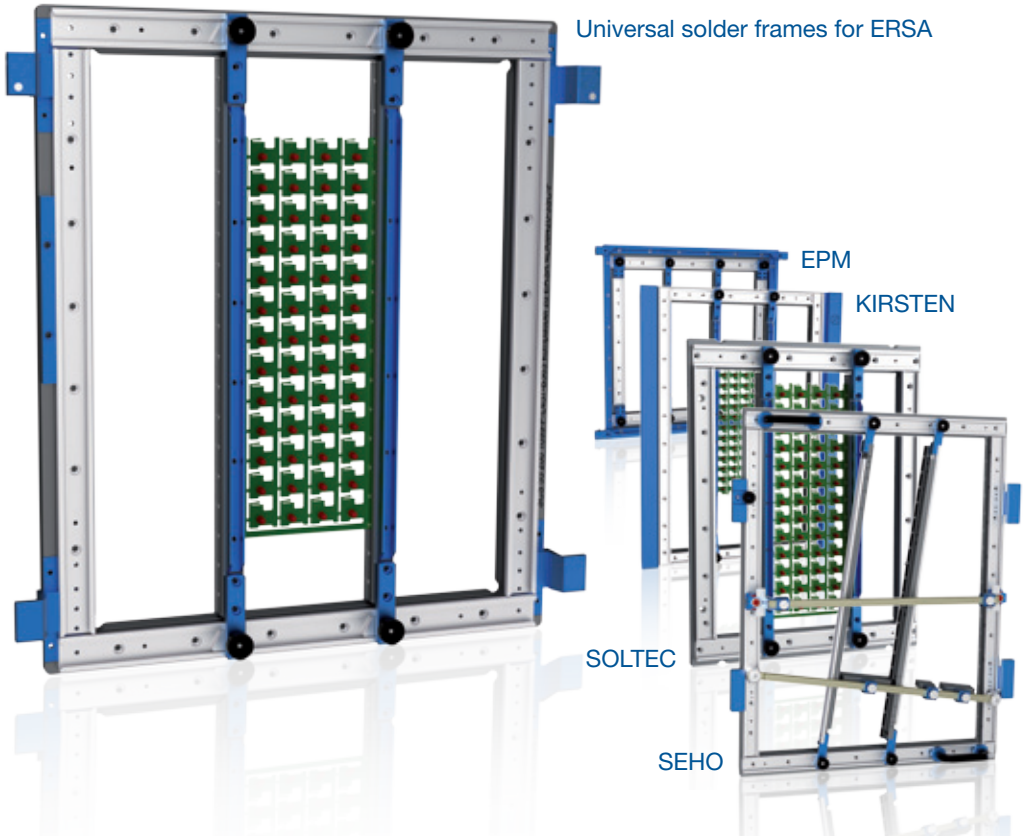
Werkzeug- & Vorrichtungsbau

UNIVERSAL SOLDER FRAMES

Universal soldering with system solutions by SCS.



UNIVERSAL SOLDER FRAMES



UNIVERSAL SOLDER FRAMES

SCS offers universal solder frames for all common machine types and a broad range of attachments to upgrade your equipment. All frames are equipped with the proven SCS rail system that offers unlimited soldering possibilities when combined with bars and traverses. Supporting, holding down, fixing, guiding or covering are only a few key words relating to the functionalities

offered. Apart from offering a circumferential bearing for the insertion of PCBs or solder masks, the frames are also equipped with the SCS rail system on all sides. Universal solder frames made by SCS are available in different customised lengths and widths. All parts are ESD-suitable and the metal parts are made of stainless steel or aluminum.

BARS

Please contact us for individual solutions:
Tel.: 02162 – 81 869 – 15

Universal bar



The universal bar has a simple design, which includes bearing surfaces on both sides for inlaying PCBs, which can be fixed to the bar with ball fixings.

Universal bar with wide bearing



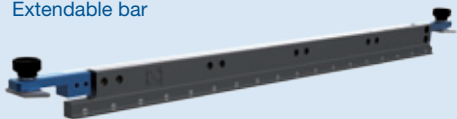
This bar is especially designed for PCBs with laterally projecting components. While the PCB can be inlaid on both sides and is kept in position by movable stops, the projecting components are protected by the wide bearing against the solder wave.

Universal bar with finger bearing



The universal bar with finger bearing is useable for PCB layouts which offer only limited bearing opportunities. Each bar will be delivered with three space-saving finger bearings, which can be easily oriented and fixed.

Extendable bar



The extendable bar is variable in length and therefore enables the soldering of the PCB against the solder wave in an angularity, which clearly reduces the risk of solder bridges. The extendable bar has an angle scale whereby an angularity up to 30° can be realized.

Extendable bar with finger bearing



The extendable bar with finger bearing unifies the advantages of the extendable bar with those of the finger bearing so that also difficult PCB layouts can be soldered in an angularity.

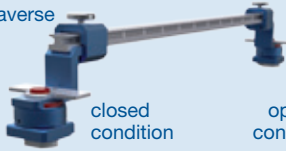
ATTACHMENTS

SCS offers a multitude of accessories for universal solder frames. These standardised solutions for different application problems clearly improve the economic efficiency in the production of small and medium batches. Different bars and bearings offer various options of positioning the PCBs into the frame. A wide range of downholders and fixing elements

allow fixing and arranging individual components on the PCB. All articles are attached to the SCS rail system and can freely be arranged in longitudinal and cross direction. Retrofitting of original frames is also possible thanks to matching connection elements.

TRAVERSE

Traverse



The traverse has been developed as a bar quickly removable for the attachment of accessories arranged above the PCB. They are used, for instance, for fixing, positioning or holding down components on the PCB.



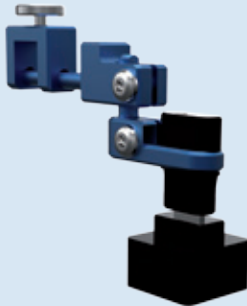
Universal fixing element



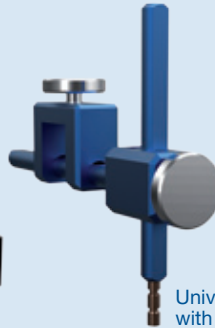
hook

The universal fixing element provides the possibility of mounting existing securing aids or those manufactured by us according to specifications.

The tailhook has been developed in order to retain PCBs at solder wave height if they sag between the bars due to their size and dead weight.



Universal downholder



Universal downholder with spring loaded tip

The universal downholder is a flexible accessory ensuring that even large components are safely held down on the PCB. Its base is available in different dimensions.

The universal downholder with spring loaded tip has been designed especially for confined space conditions on the PCB and pinpoint fixation in the hold-down position.

The traverse is the basis for the attachment of different fixing and positioning elements. It can easily be mounted and moved on the SCS rail system. After completion of a solder process, the traverse can quickly be removed along with the fixed elements and later be reattached, which clearly reduces the assembly times. The traverse can also

be used inside an original frame, which requires retrofitting with the SCS rail system.

For further information visit
www.scs-werkzeugbau.de



CROSSBAR

Crossbar

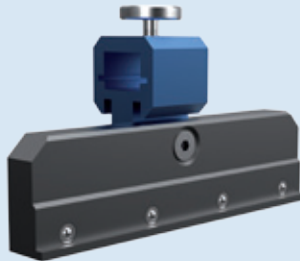


The crossbar is the basis for attachments supporting the PCB at further edges. Attached to the SCS rail system, the crossbar can freely be arranged in longitudinal and transverse direction. Angular positions are possible up to 15 degrees.

Two-sided bearing



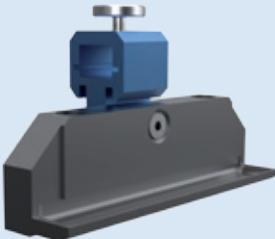
Bearing with ball fixings



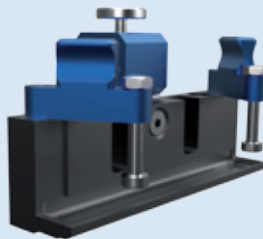
Different bearings serve as additional support for the PCB and are quickly and straightforwardly mounted on the crossbar using a proven fixing element.

The bearings are available in different lengths, whilst new dimensions can easily be implemented by stringing them together.

Euro plugs



Cover with downholders for Euro plugs



This cover for Euro plugs offers an additional support for the PCB whilst at the same time serving as a cover for lateral projecting euro plugs to protect them against the solder wave.

It is also available with two adjustable and moveable downholders which serve to hold down and fix the Euro plug.

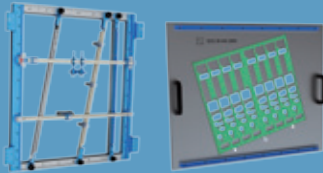
The crossbar is the basis for the attachment of different bearings and covers. It can easily be mounted and moved on the proven SCS rail system. From simple bearings to plug covers with downholders for Euro plugs especially designed for Eurocards: we offer different elements that help position the PCB even more precisely and protect it against undesired effects of the solder wave. Besides,

it can also be inserted into different original solder frames, which requires retrofitting with the SCS rail system.

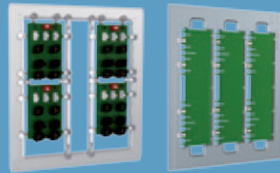
All parts are ESD-suitable and the metal parts are made of stainless steel or aluminum.

THE SCS PRODUCT PORTFOLIO ALSO INCLUDES:

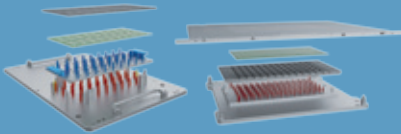
Solder frames and solder masks



Conformal coating frames and carriers



Depaneling adapters for routing and sawing processes



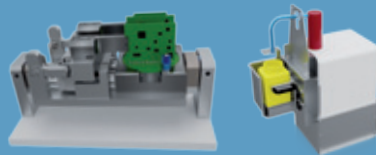
Supporting tables for solder paste printing and SMD placement



Storage racks, transport and service trolleys



Devices for assembly, quality assurance and process reliability



You are interested in these products? Please contact us.

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