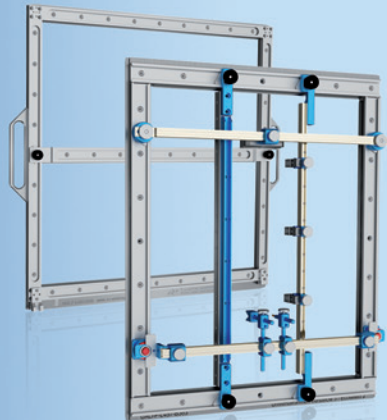
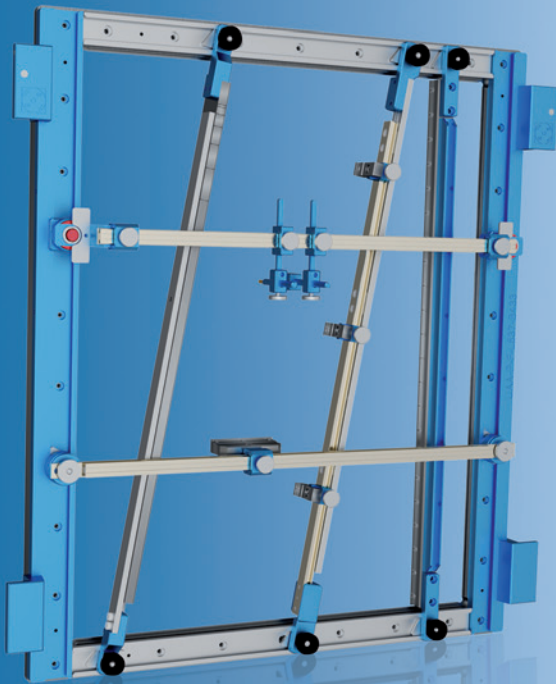


SCS SOLDER FRAMES

for your Erska soldering system

SCS produces frames for the Erska soldering systems:

- POWERFLOW
- ETS/EWS
- VERSAFLOW
- ECOSELECT2
- SMARTFLOW



Universal solder frame for the

ERSA WAVE SOLDERING SYSTEMS



suitable for the Ersma soldering systems:

- Powerflow
- ETS
- EWS

SCS UNIVERSAL SOLDER FRAME

SCS offers universal frames for Ersma wave and selective soldering systems and has a broad range of attachments to upgrade the applications of the frames.

All frames are equipped with the SCS rail system which can be used in combination with bars and traverses and thereby offer numerous varieties in the soldering process.

Furthermore, the frames have bearings on all sides of the frame for inlaying PCBs and soldering masks. All parts are ESD-suitable and the metal parts are made of stainless steel or aluminum.

The attachments of SCS offer different functional opportunities such as supporting, suppressing, fixing, leading and

Universal solder frame for the

ERSA SELECTIVE SOLDERING SYSTEMS



The SCS universal solder frames are suitable for the Ersma soldering system

- Smartflow

as well as for the Ersma soldering systems

- Versaflow
- Ecoselect 2

covering and can be quickly and easily mounted without using tools.

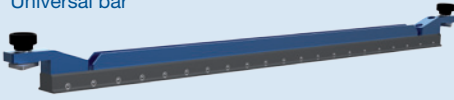
The universal solder frames are made in the common lengths of the Ersma original solder frames and the widths of the Ersma soldering systems and are therefore ideal for your wave or selective soldering system.

If desired SCS also produces universal solder frames in different lengths and widths. For individual solutions please contact our sales department.

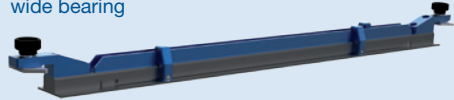
Please contact us for individual solutions:
Tel.: +49(0)2162 – 81 869 – 15

BARS

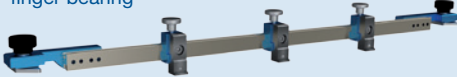
Universal bar



Universal bar with wide bearing



Universal bar with finger bearing

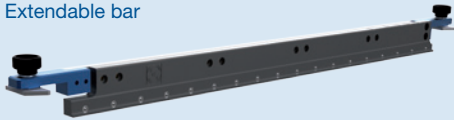


The **universal bar** has a simple design, which includes bearing surfaces on both sides for inlaying PCBs, which can be fixed to the bar with ball fixings.

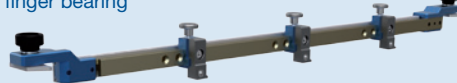
This bar is especially designed for PCBs with laterally projecting components. While the PCB can be inlaid on both sides and is kept in position by movable stops, the projecting components are protected by the wide bearing against the solder wave.

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



Extendable bar with finger bearing



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.

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

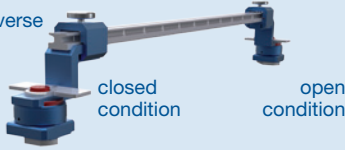
SCS offers a multitude of attachments for universal solder frames. With the attachments the cost effectiveness of the production of small and medium lot sizes can be improved. Bars and bearings offer different opportunities to place a PCB. Diverse retainers and fixing elements enable the fixing and adjustment of each component onto the PCB. All devices are attached to

the SCS rail system and can be freely arranged in longitudinal and cross direction.

The traverse is used for the attachment of fixing and positioning elements and can be easily removed for every solder process, so that the frame can be equipped with a new PCB. Due to the fast and easy handling the insertion time can remarkably be reduced.

TRAVERSE AND CROSSBAR

Traverse



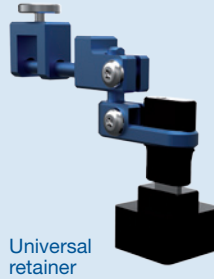
The **traverse** was designed as a fast removable bar with the possibility to connect attachments, which can be arranged above the PCB.



Universal fixing element



Tailhook



Universal retainer

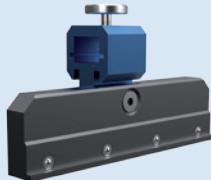


Universal retainer with spring loaded tip

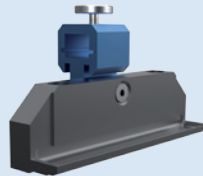
Diverse bearings and covers are attached to the crossbar and serve as an additional support for the PCB.



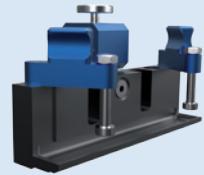
Two-sided bearing



Bearing with ball fixings



Plug cover



Plug cover with retainer

The crossbar is used for the attachment of bearings, which also includes protective covers for individual components for protection against the solder wave.

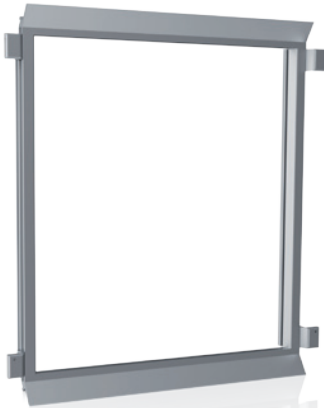
All parts are ESD-suitable and the metal parts are made of stainless steel or aluminum.

For further information visit
www.scs-werkzeugbau.de

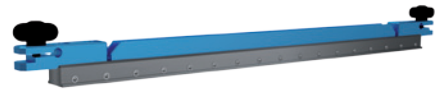


Attachments to extend the application of the

ERSA ORIGINAL WAVE SOLDER FRAME



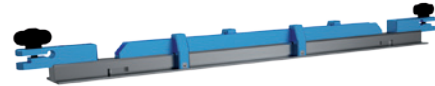
rail system



universal bar



extendable bar



universal bar with wide bearing



extendable bar with finger bearing



universal bar with finger bearing

ATTACHMENTS FOR THE Ersa ORIGINAL WAVE SOLDER FRAME

All SCS attachments can be used to extend the application of the Ersa original wave solder frame.

The bars can be fixed with their fixing elements to the frame without using tools. The frame can furthermore be expand with the SCS rail system so that traverses and crossbars can also be used with the

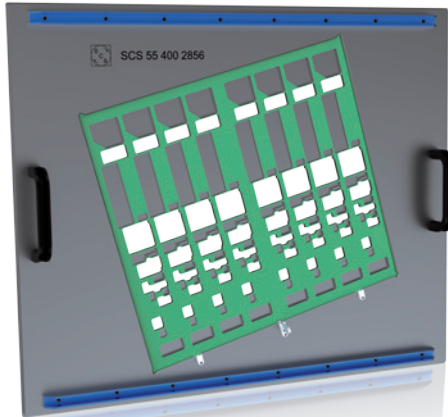
frame. The SCS rail system additionally provides a bearing for PCBs and solder masks.

The Ersa wave solder frame thereby also offers the well-known flexibility of the SCS universal solder frame.

Additional products:

SCS SOLDER MASKS

Solder mask with selective bearing



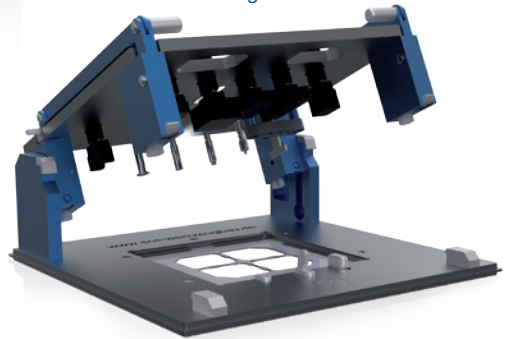
For fixing components
onto the PCB:

- removable cover
- lift and swing cover
- solder aids

SCS solder masks:

- with selective bearing
- with deepenings for SMD components
- with titanium applications

Lift and swing cover



SOLDER MASKS

SCS produces solder masks matching the PCB for optimized treatment during the solder process. Due to the cover systems the solder masks offer a multitude of applications and furthermore have a good handling and design. If desired the SCS solder masks are either designed as an inlay for your frames and bars or for the SCS original solder frames. There are

multitude opportunities for the design and layout of the mold cavities. SCS optimizes solder masks as required from simple deepenings for SMD components to the point of complex titanium elements.

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



Werkzeug- & Vorrichtungsbau



Please visit our
website for further
information on
our products:

www.scs-werkzeugbau.de

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