

JBC

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INSTRUCTION MANUAL



Cartridge Stand for Automation

Ref. CS2R245-B/CS2R470-B

Packing List

The following items are included:

Cartridge Stand for Automation 1 unit
Ref. CS2R245-A
CS2R470-A



Upper Center Jig..... 1 unit
For CS2R245-A Ref. 0023652
For CS2R470-A Ref. 0023625



Lower Center Jig..... 1 unit
For CS2R245-A Ref. 0023626
For CS2R470-A Ref. 0023648



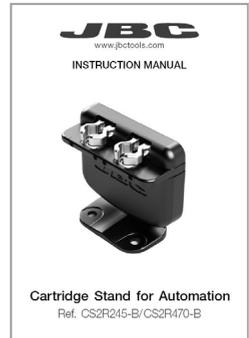
Screw 2 units
DIN 912 M6x20
Ref. 0842925



Washer 2 units
DIN 125 M6
Ref. 0842925



Manual 1 unit
Ref. 0021526



Features

The CS2R is designed to be used in automatic soldering processes. Two pairs of grippers can be used to hold the Cartridges while they are not in use.

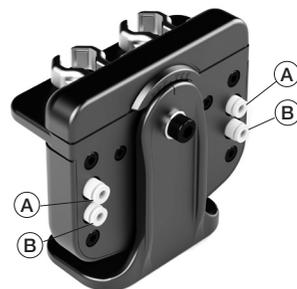
It can work in combination with JBC Automatic Soldering Irons (**TRA**) and the new Cartridges for Automation (**R245** and **R470** ranges).



Assembly

The CS2R needs to be fixed to the robot work place area. Use a **DIN912 M6** screw and the mounting hole as shown bellow.

The gripper actuators must be connected to an air-circuit by using the tube connections **A** and **B**.



Gripper Actuator	
Fluid	Air
Applicable tubing	Ø 4mm
Operating pressure	1,5 to 7 bar

- (A)** Tube connection to fix Cartridge.
- (B)** Tube connection to release Cartridge.

Work Position Adjustment

The CS2R body can be pivoted 35° both sides to suit the inclination of your Soldering Head in every job necessities. Use a 5mm allen key to loosen the bolt and pivot the CS2R body manually.

Note the angle indicator around the bolt area. Tighten the bolt holding the body in the desired position. The soldering head must be set to the same angle.



Compatibility

Cartridge Stand	Cartridge Range		Control Unit		Soldering Irons	
	R245	R470	UCR245	UCR470	TRA245	TRA470
CS2R245	●		●		●	
CS2R470		●		●		●

Compatible Cartridges

Find the Cartridge models that best suit your soldering needs on www.jbctools.com



Chisel
Ref. R245002



Through hole
Ref. R245004

Range 245



Through hole
Ref. R470003



Chisel
Ref. R470008



Through hole
Ref. R470012

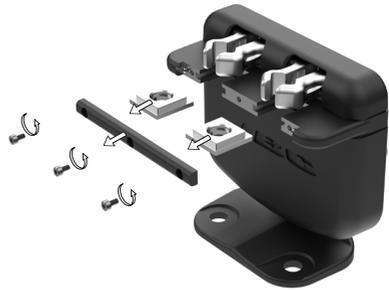
Range 470

Tool position adjustment

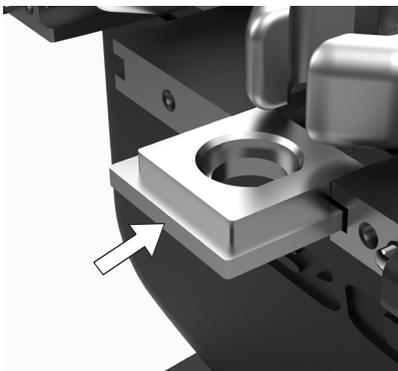
The Cartridge plate can be set to four different positions. The flat faces of the plate and the cartridge must match.



Use a 1,5 mm allen key to loosen the three indicated bolts. Evenly pull the Plate holder. Remove the Cartridge plates.



Insert the Cartridge plates to any of the four positions you need. The smaller squared shape must face upwards.



Assemble the plate holder to its initial position and tighten the three bolts evenly.

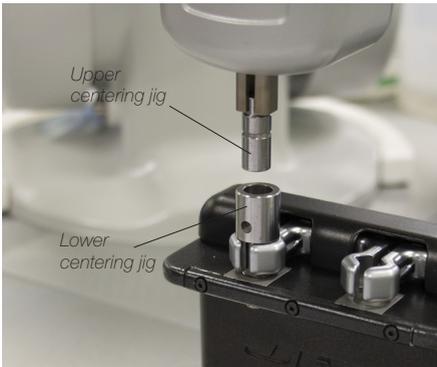


Centering Jig

In order to align the CS2R to your Soldering Head and set your Cartridge pick-up points use the Centering Jig

Install both lower and upper Centering Jigs on the CS2R and the Soldering Head as shown.

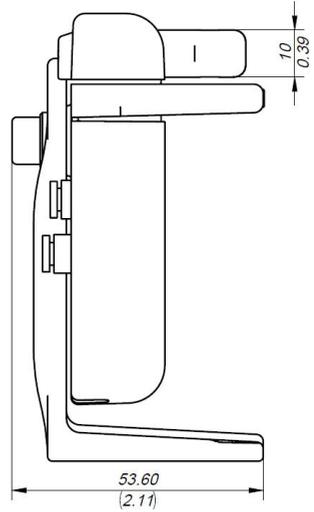
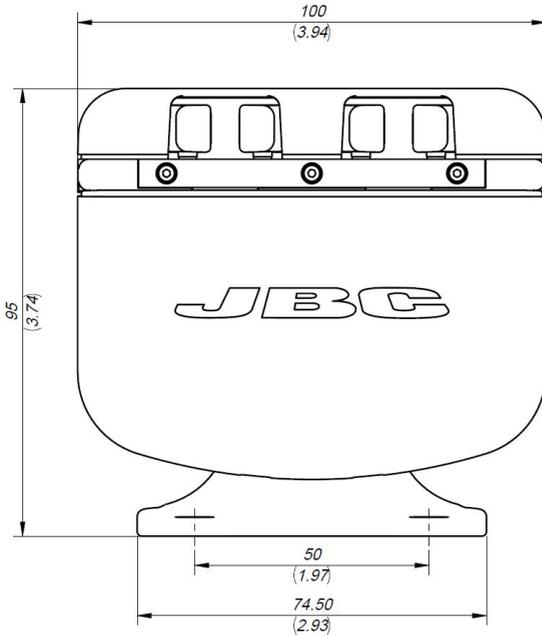
Adjust the Soldering Head position until the Centering Jig is aligned. It must move in and out smoothly.



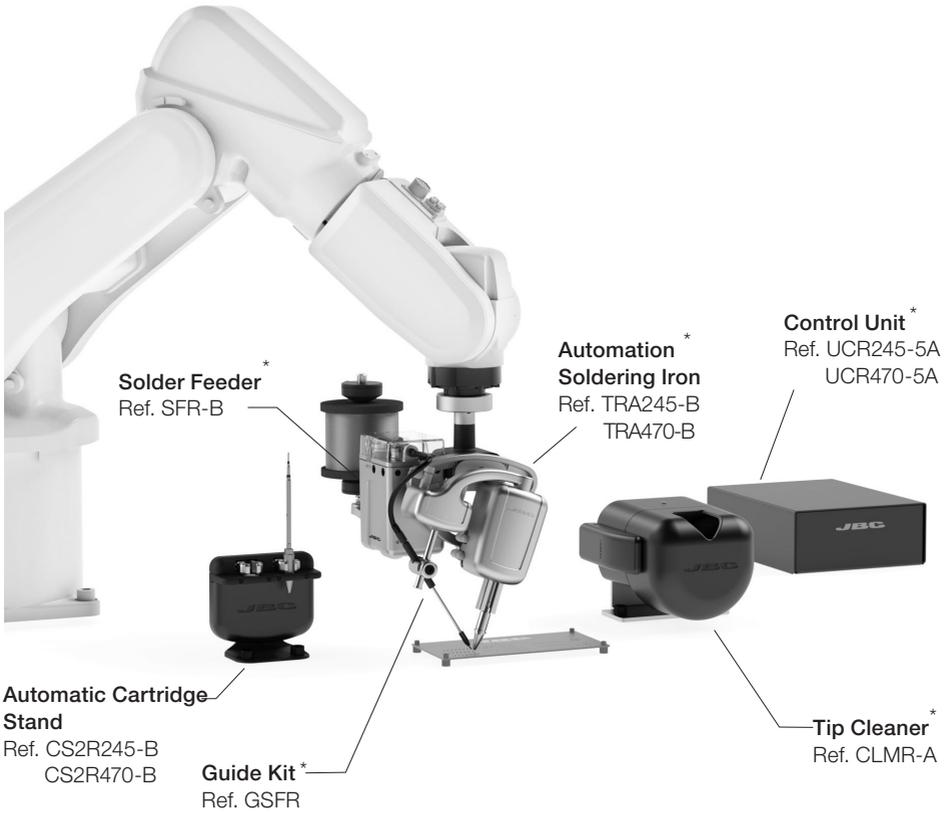
Insert the Centering Jig completely. Set this point as the pick-up point position. The Soldering Head has to move in a vertical line from this point when inserting or removing Cartridges.



Dimensions



Components of the Soldering Unit



*Not included, sold separately

Maintenance

- Before carrying out maintenance, always unplug the device.
- Use a damp cloth to clean the device. Alcohol can only be used to clean the metal parts.
- Periodically check that the metal parts of the device are clean.
- Periodically check all cables and tube connections.
- Replace any defective or damaged pieces. Use original JBC spare parts only.
- Repairs should only be performed by a JBC authorized technical service.
- Under normal operating conditions, the air gripper lifespan is 10 million cycles. It is recommended to replace it at the end of its lifespan.

Safety



It is imperative to follow safety guidelines to prevent electric shock, injury, fire or explosion.

- Do not use the device for any other purpose.
- The temperature of accessible surfaces may remain high after the unit is turned off. Handle with care.
- Do not leave the appliance unattended when it is on.
- Avoid flux coming into contact with skin or eyes to prevent irritation.
- Be careful with the fumes produced when soldering.
- Keep your workplace clean and tidy. Wear appropriate protection glasses and gloves when working to avoid personal harm.
- Utmost care must be taken with liquid tin waste, which can cause burns.

Specifications

- Operating pressure	1,5 - 7 bar 20 - 100 psi
- Net Weight	690 g (1.51lb)
- Dimensions	153 x 82 x 97 mm (6.02 x 3.23 x 3.82 in)
- Total Package	215 x 130 x 120 mm / 0,9 Kg 8,46 x 5,11 x 4,72 inch / 2 lbs

Complies with CE standards.
ESD protected.

JBC

Warranty

JBC's 2 year warranty covers this equipment against all manufacturing defects, including the replacement of defective parts and labour.

Warranty does not cover product wear or misuse.

In order for the warranty to be valid, equipment must be returned, postage paid, to the dealer where it was purchased.



This product should not be thrown in the garbage.

In accordance with the European directive 2012/19/EU, electronic equipment at the end of its life must be collected and returned to an authorized recycling facility.



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