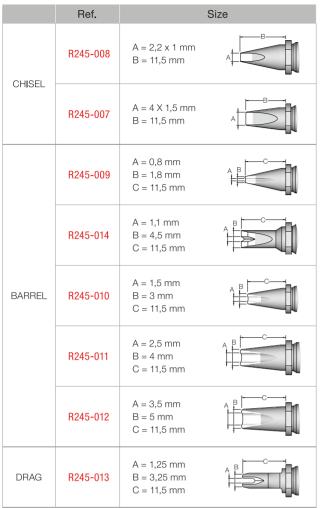
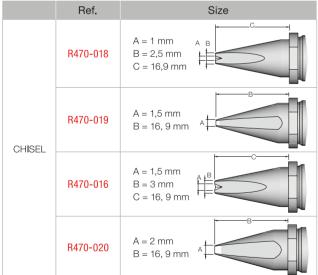
Cartridge Range



		C = 11,5 mm		R470-024	
	R245-012	A = 3,5 mm B = 5 mm C = 11,5 mm		R470-025	
DRAG	R245-013	A = 1,25 mm B = 3,25 mm C = 11,5 mm		N470-023	
				R470-028	
				D470 000	
	Ref.	Size		R470-030	
CHISEL	R470-018	A = 1 mm A B B = 2,5 mm C = 16,9 mm	BARREL	R470-031	
	R470-019	A = 1,5 mm B = 16, 9 mm		R470-032	
	R470-016	A = 1,5 mm B = 3 mm C = 16, 9 mm	DRAG	R470-026	
	R470-020	A = 2 mm B = 16, 9 mm A		R470-027	





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MADE IN INDIA

Cost Saving >> Highly Reliable
>> Fast Heating >> Improved Yield >> Consistent Quality



AUTOMATIC SOLDERING ROBOT



Ref.

R470-021

R470-017

R470-022

R470-029

R470-023

CHISEL

Size

A = 2,5 mm

A = 2,5 mm

C = 16, 9 mm

B = 4 mm

A = 4 mm

B = 16, 9 mm

 $A = 2.5 \, \text{mm}$

A = 5 mm

A = 6 m

A = 7.5 mmB = 16, 9 mm

A = 3.8 mmB = 7.4 mm

A = 2 mm

A = 3 mmB = 5 mmC = 16, 9 mm

A = 4 mmC = 16, 9 mm

A = 0.75 mmB = 2 mm

A = 1,25 mmB = 3,25 mmC = 6 mm

C = 16, 9 mm

 $B = 16, 9 \, \text{mm}$

B = 16, 9 mm

B = 16, 9 mm

FEATURES & SPECIFICATIONS

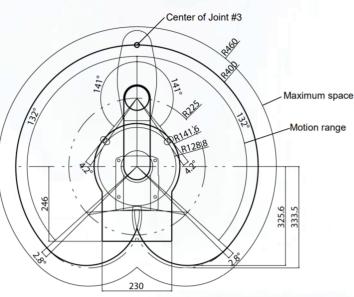
SolderBot is a Robotic Soldering System offering precise, repeatable and high-quality soldering. It offers point and drag soldering options with a wide variety of soldering cartridges/tips. The solution also comes with an automated programmable wire feeder and an integrated motorised tip cleaner.

- 4 Axis SCARA Robot
- Adjustable angle of solder head
- Up to 15 solders per minute
- · Programmable soldering time
- Wide variety of soldering cartridges



Point Soldering

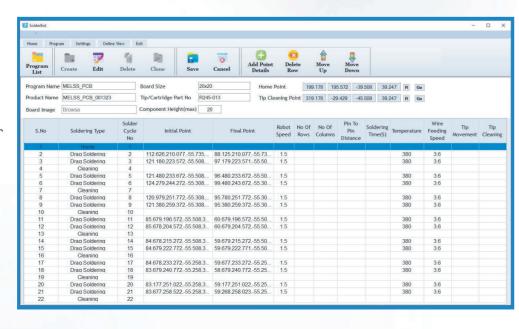




Reach of Soldering Robot

Work Area	250 x 215mm; 400 x 180mm		
Max Range of Operation	J1: +/- 132°, J2: +/- 141°, J3: 150 mm, J4: +/- 360°		
Max Speed of Operation	J1,J2: +/- 3,700 mm/s, J3: +/- 1,000 mm/s, J4: +/- 2,600°/s		
Repeatability	0.05mm		
Soldering Unit	Maximum output peak power 250W		
Feeder	Spool based. Feeding length and speed programmable. Suitable for wire diameter of 0.5mm - 1.5mm		
Input Voltage	Power Adaptor: 110V - 240VAC, 50/60Hz		
I/O	12 Digital Outputs, 18 Digital Inputs. Fieldbus Optional (DeviceNet, Profinet, Ethernet/IP)		
Environmental Conditions	Temperature: 10 - 40° C, Humidity: 20% - 80% (No Condensing)		

- Easy to use software. No complex programming required
- Multiple program storage with cloning option
- Define temperature, solder time, wire feeding parameters per solder
- Quick point teaching using joystick
- Library of standard components for faster teaching
- Traceability by barcode / serial number of every part
- · Real-time process display



SOLDERING TOOLS

Ref. TR245-A & TR470-A

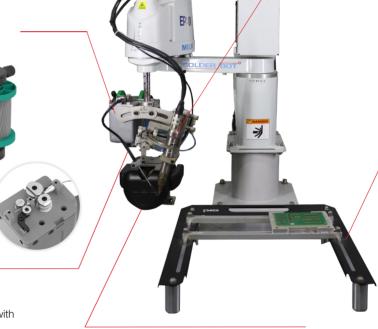
Soldering Iron

These tools are used with the newly designed cartridges, which have been specially developed for automated soldering processes. They feature a quick cartridge extraction and a very precise positioning system.

Ref. SFR-A

Solder Feeder

Compact unit compatible with several solder wire diameters. Control parameters such as wire length and dispensing speed are adaptable. It features a wire detector sensor (blocked up or finished).



Ref. RBA-A Soldering Head

Can be combined with peripheral modules such as solder feeder, solder reel, fume

solder reel, fume extractor tube and soldering irons, as well as a camera to monitor the process. Its lifting unit allows a fast movement in Z-axis direction. It also features a system to soften collision. The dispenser pivoting unit facilitates cleaning and removal of the cartridge.

Board Mounting Fixture Flexibly adjust to mount different size PCBs.

Ref. GSFR

Guide Kit

The solder feeder works with GSFR-Kits. These kits are compatible with solder wire diameters Ø 0.8, 1, 1.5 and 1.6mm (with solder wire perforation) and from Ø 0.4 to 1.6mm (without solder wire perforation).



Ref. CLMR-A Tip Cleaner capacity tank

Features a large capacity tank with easy extraction and a wide opening for an easy tip access. Its position can be pivoted up to 35° in both directions to facilitate the robot arm access. Brushes are exchangeable and are available in different types.



Ref. UCR245-5A & UCR470-5A

Control unit

This high power Control Unit can be connected to a robot by means of an M8-5pins connector, using the RS232 JBC communication protocol.







Ref. CLMU-A8

Ref. CLMU-P1
Non-metal brushes



Ref. CLMU-A7



Ref. CLMU-P7
Non-metal brushes

Ref. CLMU-A8 & A7 & P1 & P7 Brushes

Choose between metal and non-metal brushes. Black and blue-core brushes are used to distinguish when doing lead-free and leaded soldering.