

Instruction Sheet

Table of Contents

Caution - Safety – read first! 0

1 Description 1

1.1 Specification2

2 Installation 3

2.1 Install RBK Fixture.....3

2.2 Connection (RBK fixture 2234786-2 only).....5

 2.2.1 Air connection5

 2.2.2 Connection with RBK Processor.....6

 2.2.3 Shift air cooling output to Stub Tool (Optional)7

3 Operation 8

4 Adjustment 10

5 Spare parts & Optional components 11

5.1 Spare parts11

5.2 Optional components13

6 Replacement and repair 15

7 Revision summary..... 15

Caution - Safety – read first!

Please comply with below caution when operate this equipment.



Do be wearing protection when operating



Shut machine before maintaining



DON'T modify the equipment without TE permit



DON'T wear ill-suited which may cause any stuck by machine



DON'T try to put hands into machine

Pay attention to below icon when reading this manual.



DANGER



CAUTION



NOTE

1 Description

This instruction sheet applies to RBK Fixture, base number 2234786.

Currently it has 2 basic PN: (it allows to customize any tool kit to get new derivative PN)

- ✚ **RBK Fixture, cable clamping, w/o air cooling** (TE PN: 2234786-1)
- ✚ **RBK Fixture, cable clamping, w/ air cooling** (TE PN: 2234786-2)

Any info about RBK Processor, refer to their own Customer Manual.

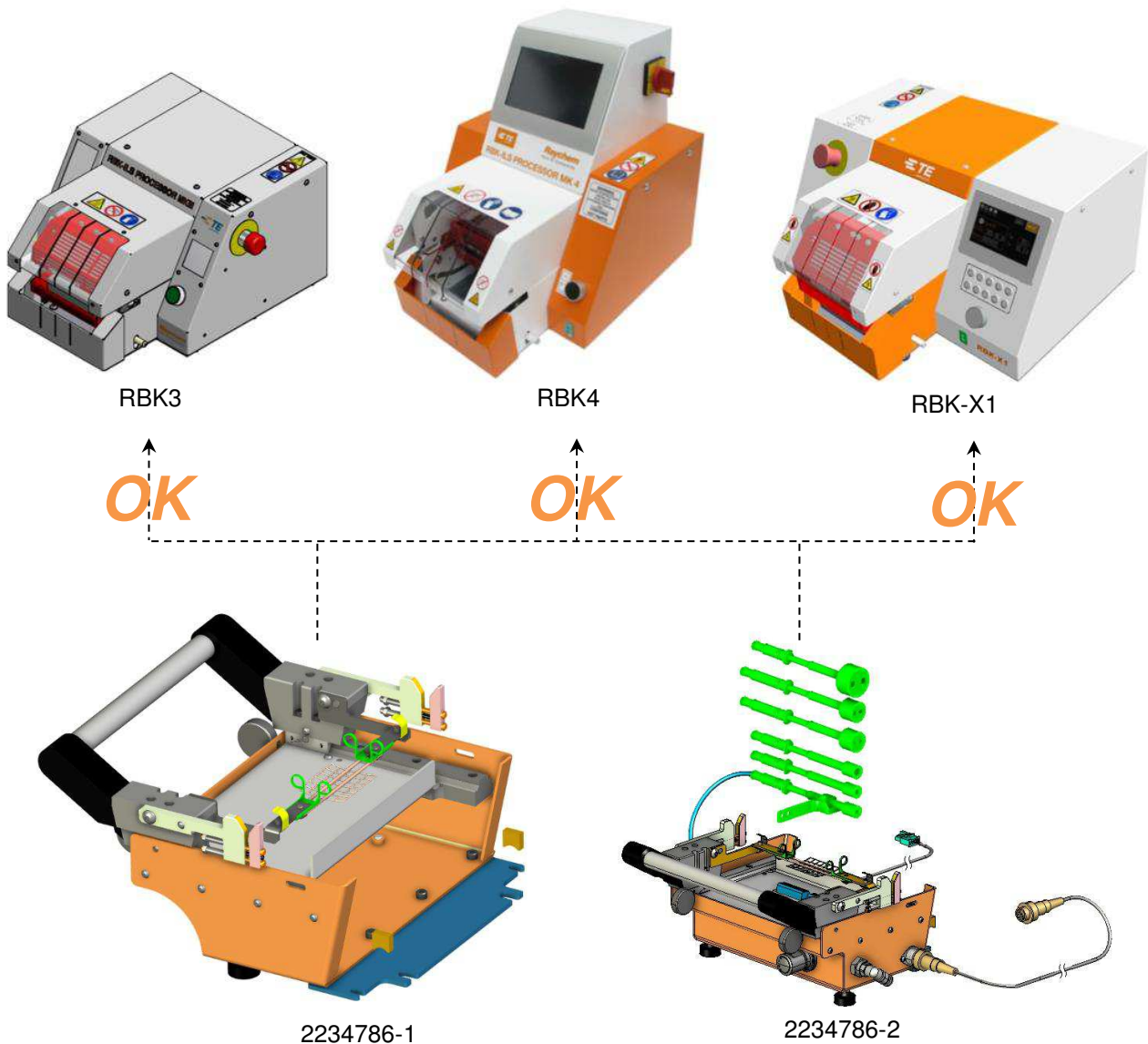


Fig.1 RBK fixture & RBK Processors

Both **2234786-1** and **2234786-2** can adapt to RBK3 / RBK4 / RBK-X1. The RBK fixture is designed to clamp the cable, so as to make sure the cable can stay stable while tubing heat shrink. So as to get a better heat shrink quality.

1.1 Specification

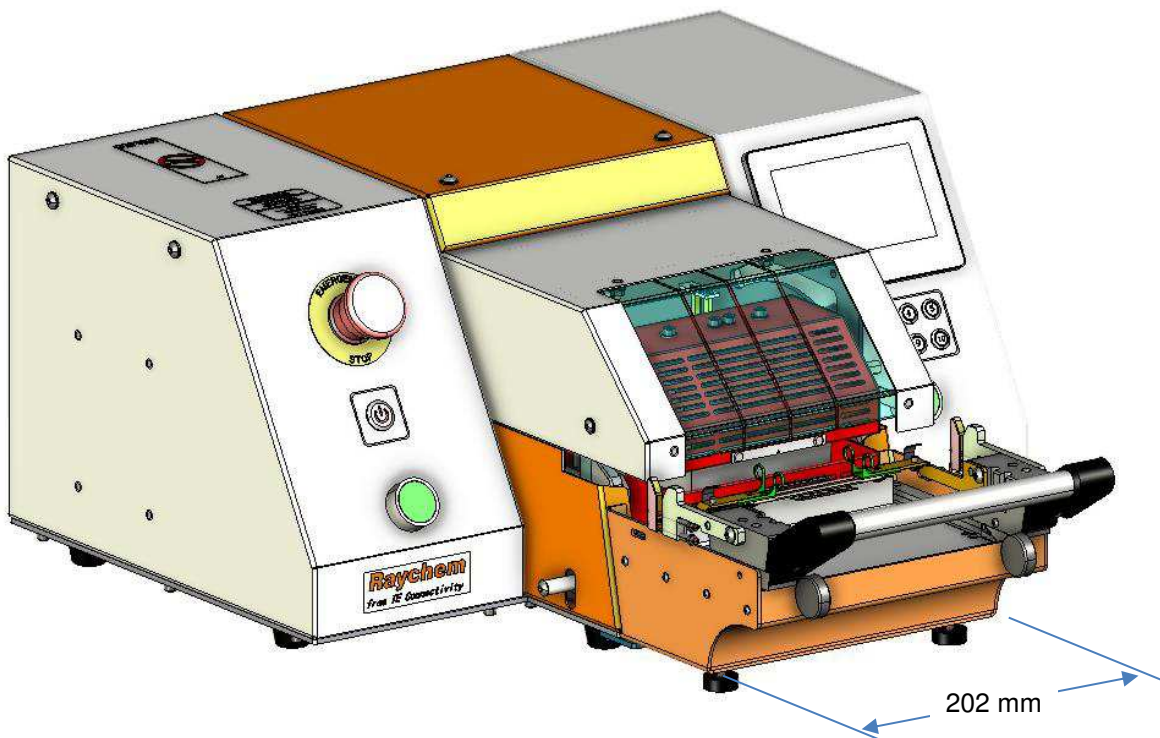
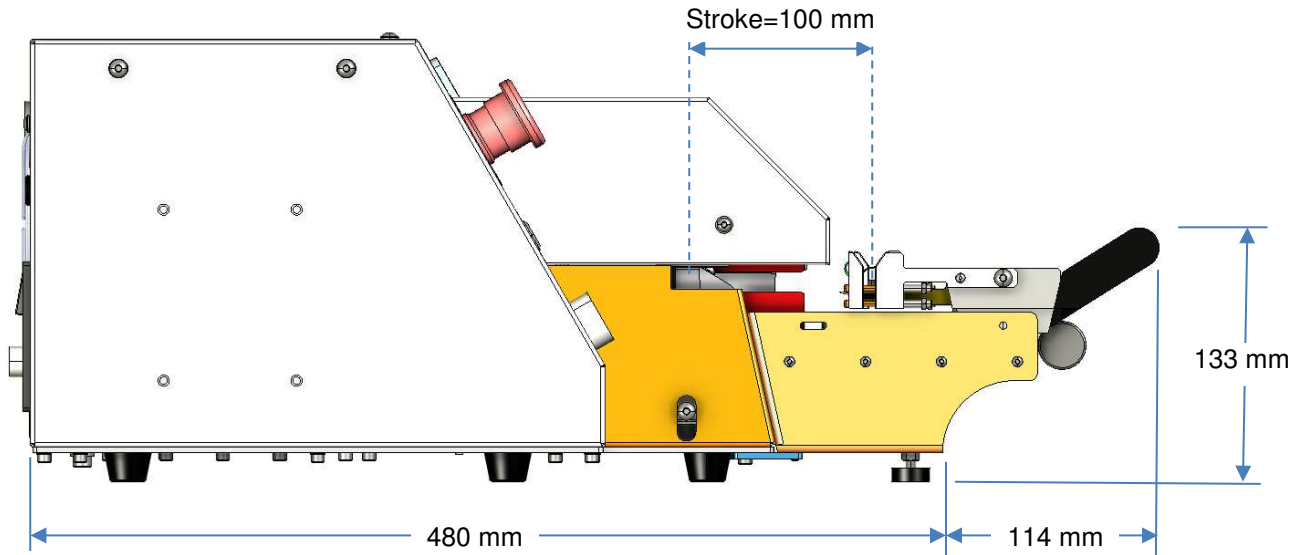


Fig.2 Dimension (RBK-X1 with RBK fixture)

2 Installation

2.1 Install RBK Fixture

Use Allen key to install fixture onto RBK Processor.

1. Fig.3 , loosen the 4 screws (2x M4, 2x M6) on machine bottom front, and remove the Bottom Front Cover.

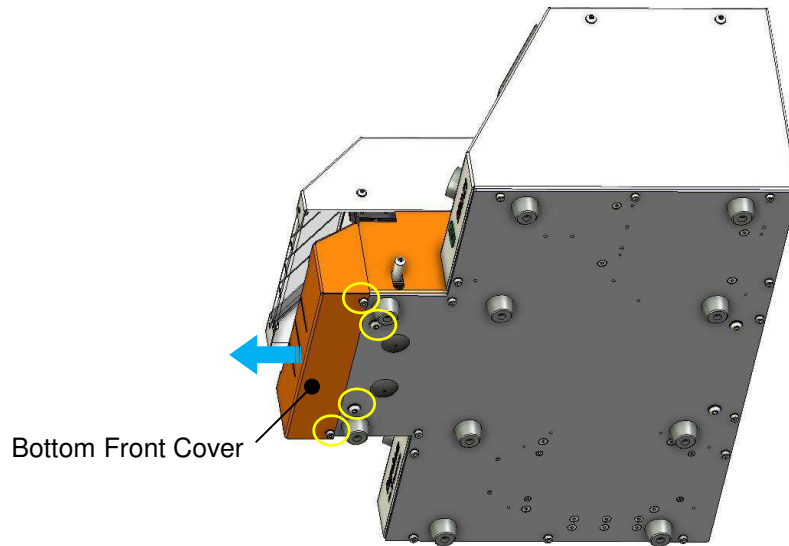


Fig.3 Remove machine cover

2. Fig.4 , press on the pinch block, and insert the Pad Block. Both left and right side.

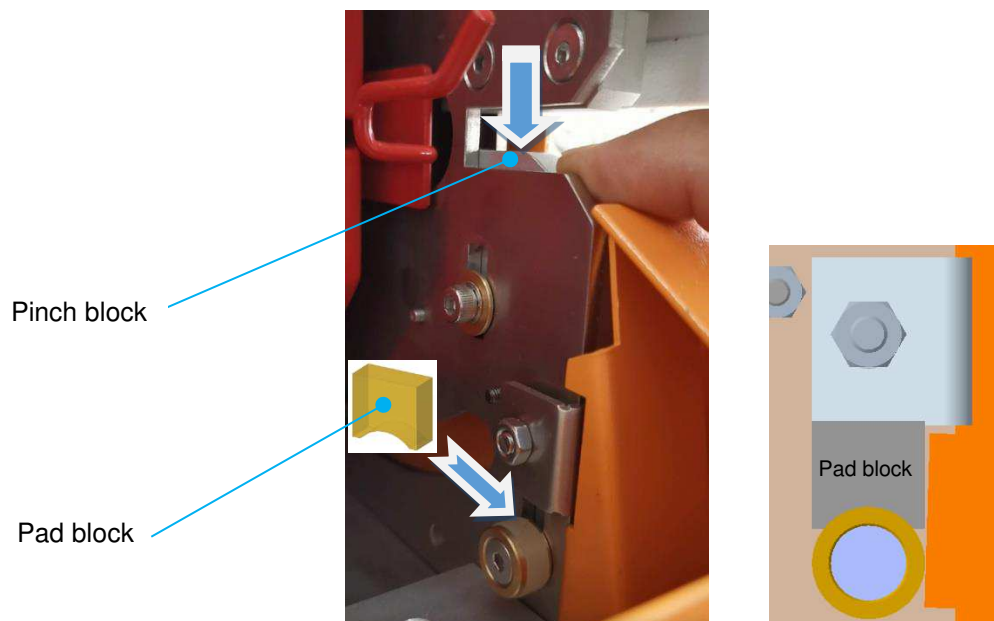


Fig.4 Insert Pad block

3. Fig.5 , for RBK3 & RBK4, need to replace Ejector blade (TE PN: 2234840-1 & 2234840-2).
 - i. Rotate Disc manually, allow the ejector blade moving forward.
 - ii. Remove the 2X Carrier mounting screw, and lift the top carrier
 - iii. Replace the 2X Ejector blade.
 - iv. Restore the carrier mounting screws and machine cover.

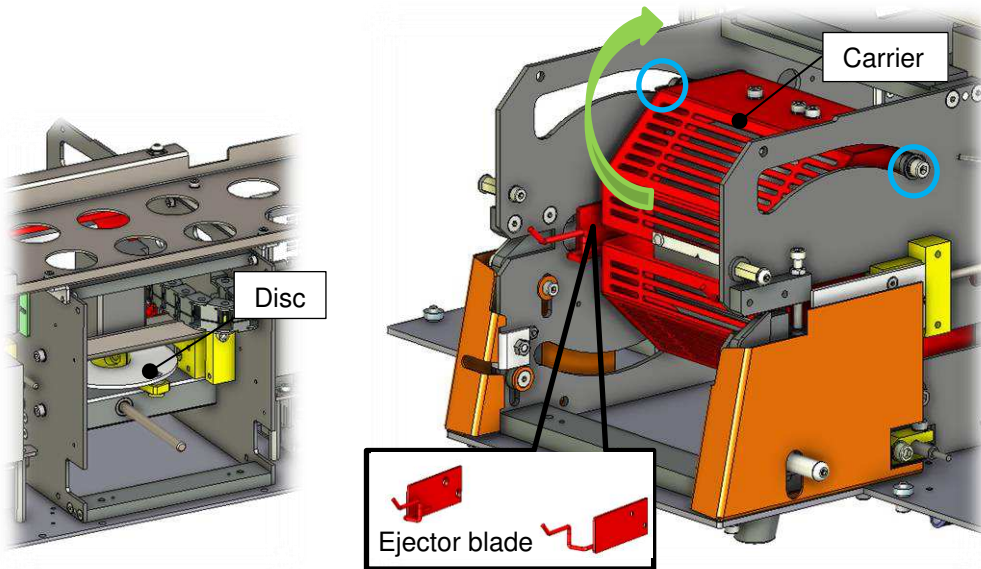


Fig.5 Replace Ejector blade

4. Fig.6 , assemble the RBK fixture onto the RBK Processor with fixture lean to machine closely, and fix the 4 screws.

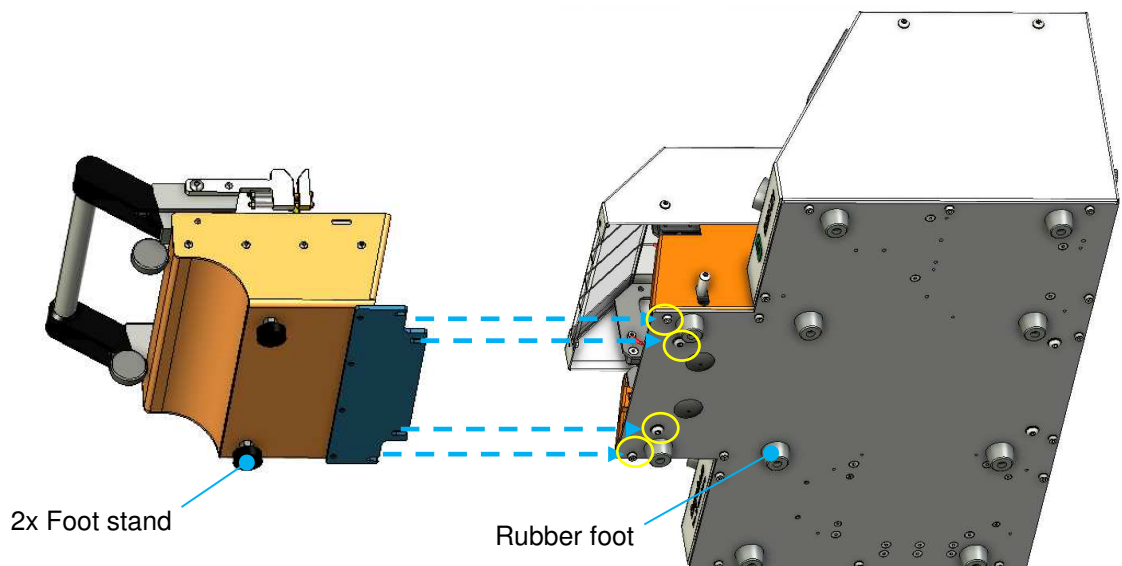


Fig.6 Assemble Fixture onto machine

5. Fig.6 , adjust the height of fixture foot stand, equal to height of machine rubber foot.

6. Push and pull the handle of fixture in and out, make sure it moves smoothly.

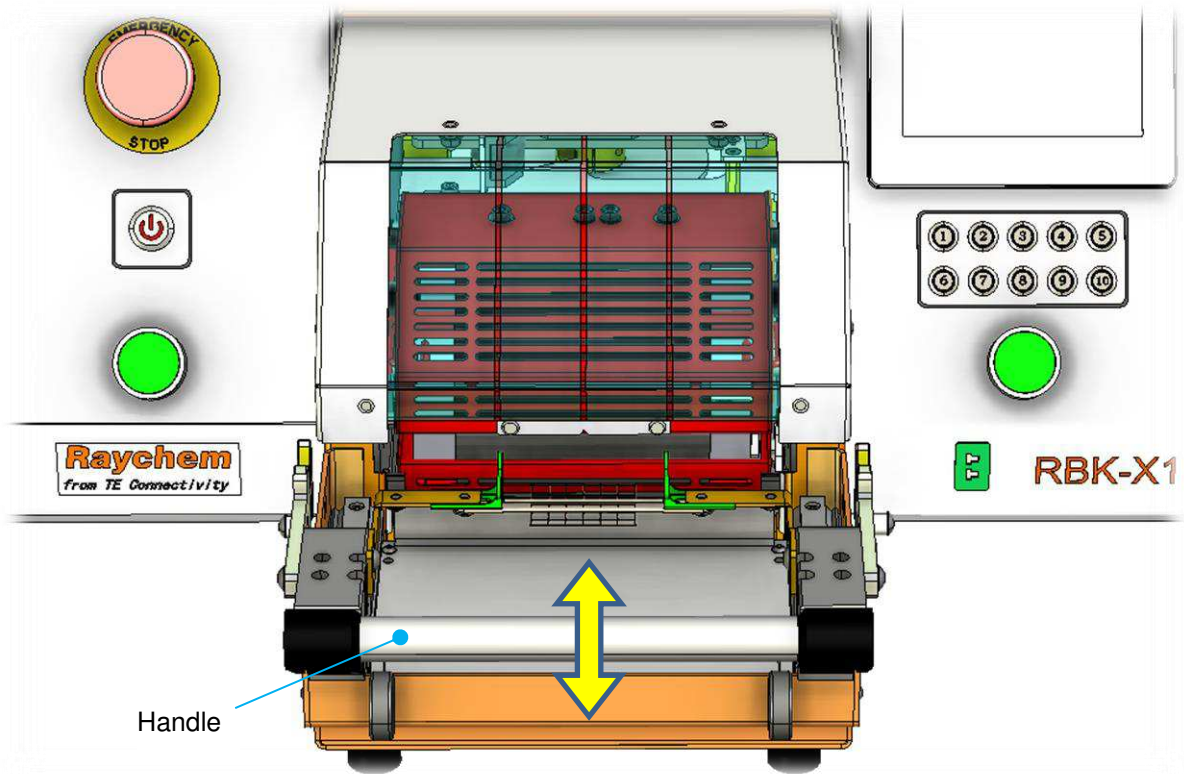


Fig.7 Movement checking

2.2 Connection (RBK fixture 2234786-2 only)

2.2.1 Air connection

Prepare air supply, then connect the pipe to the RBK fixture input connector.

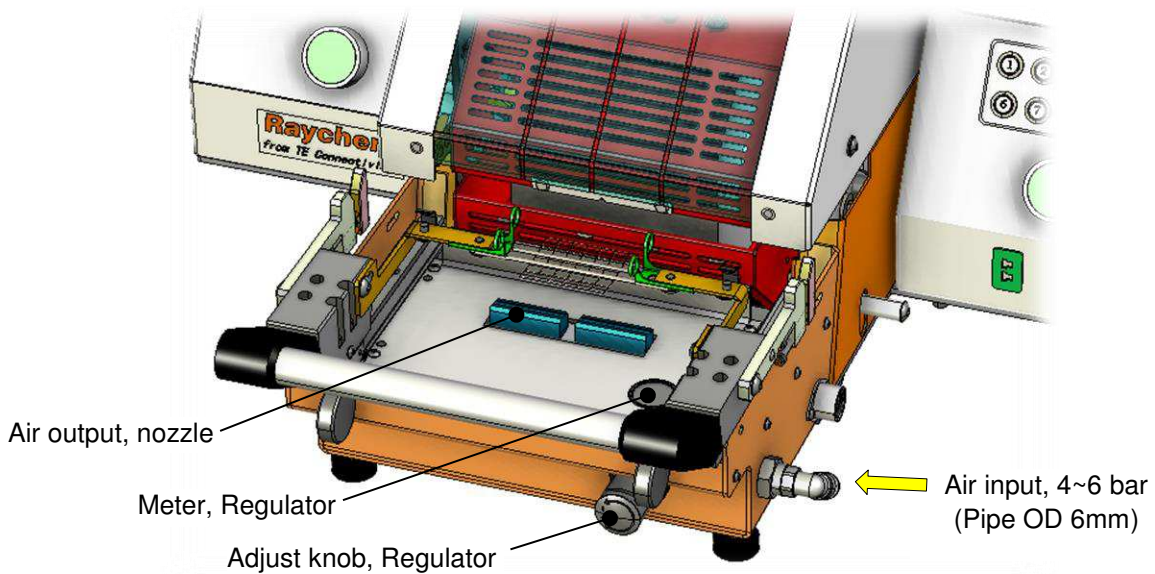
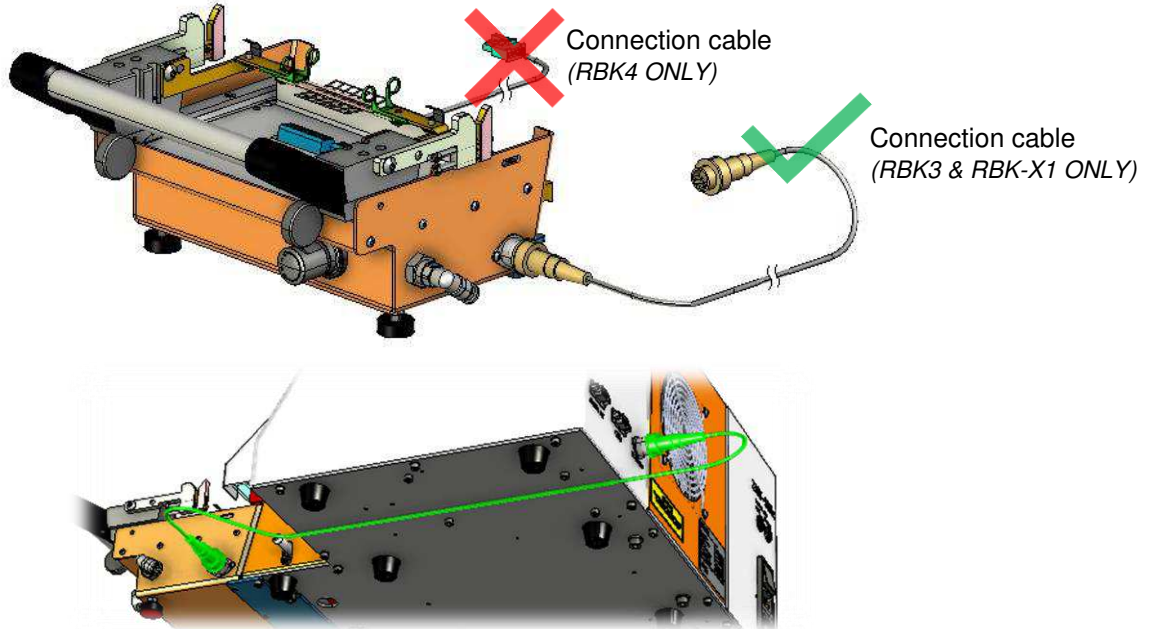


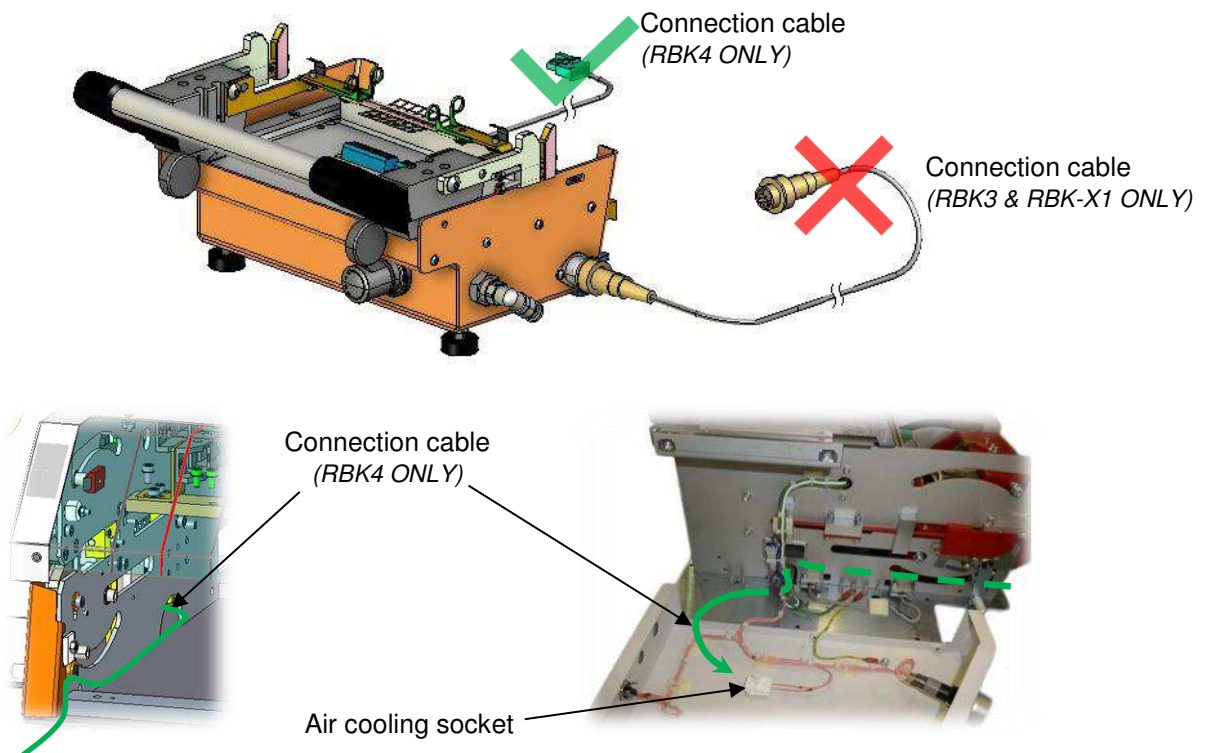
Fig.8 Air connection

2.2.2 Connection with RBK Processor

1. When RBK fixture work with RBK-X1 or RBK 3, connect the RBK3 & RBK-X1 communication cable with machine AIR COOLING socket on the rear side of machine right cover. Then fix the cable to machine bottom by tie-wraps and fix base. (Unplug the RBK4 connection cable from the RBK fixture.)



2. When RBK fixture work with RBK4, connect the RBK4 communication cable with machine AIR COOLING socket in the RBK4 left cover. Then fix the cable in the machine with tie-wraps and fix base. (Unplug the RBK3 & RBK-X1 connection cable from the RBK fixture.)



2.2.3 Shift air cooling output to Stub Tool (Optional)

2234786-2 contains additional air cooling kit base on **2234786-1**. Originally we designed the air cooling output to the 2X nozzles. Customer can also shift the output to the optional Stub Tool if need.

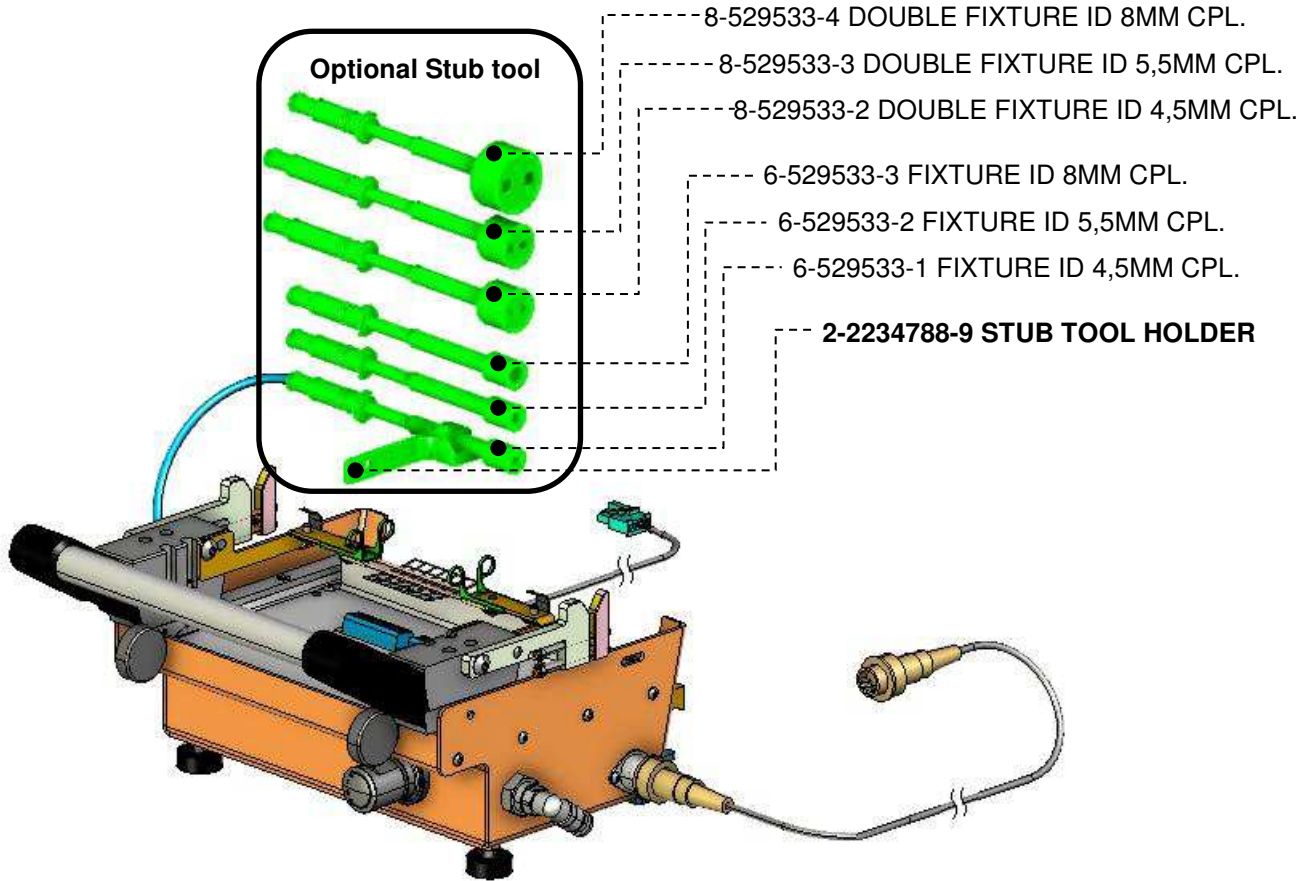
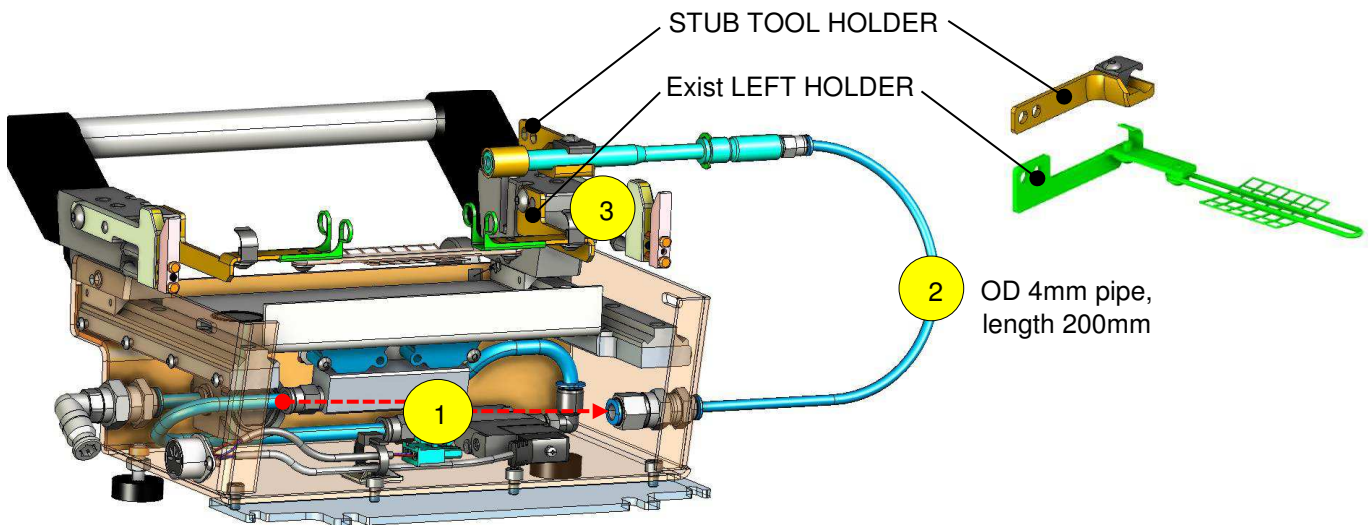


Fig.9 Optional Stub Tool (2234786-2)

1. Shift air pipe output, from nozzle connector to the stub tool connector.



2. Connect the pipe to stub tool and connector.
3. Replace the exist LEFT HOLDER, with the STUB TOOL HOLDER

3 Operation

1. Refer to Fig.10 , place splice onto the bracket. Operator can also DIY bracket or application type per request. For particular rings holder, need customize.

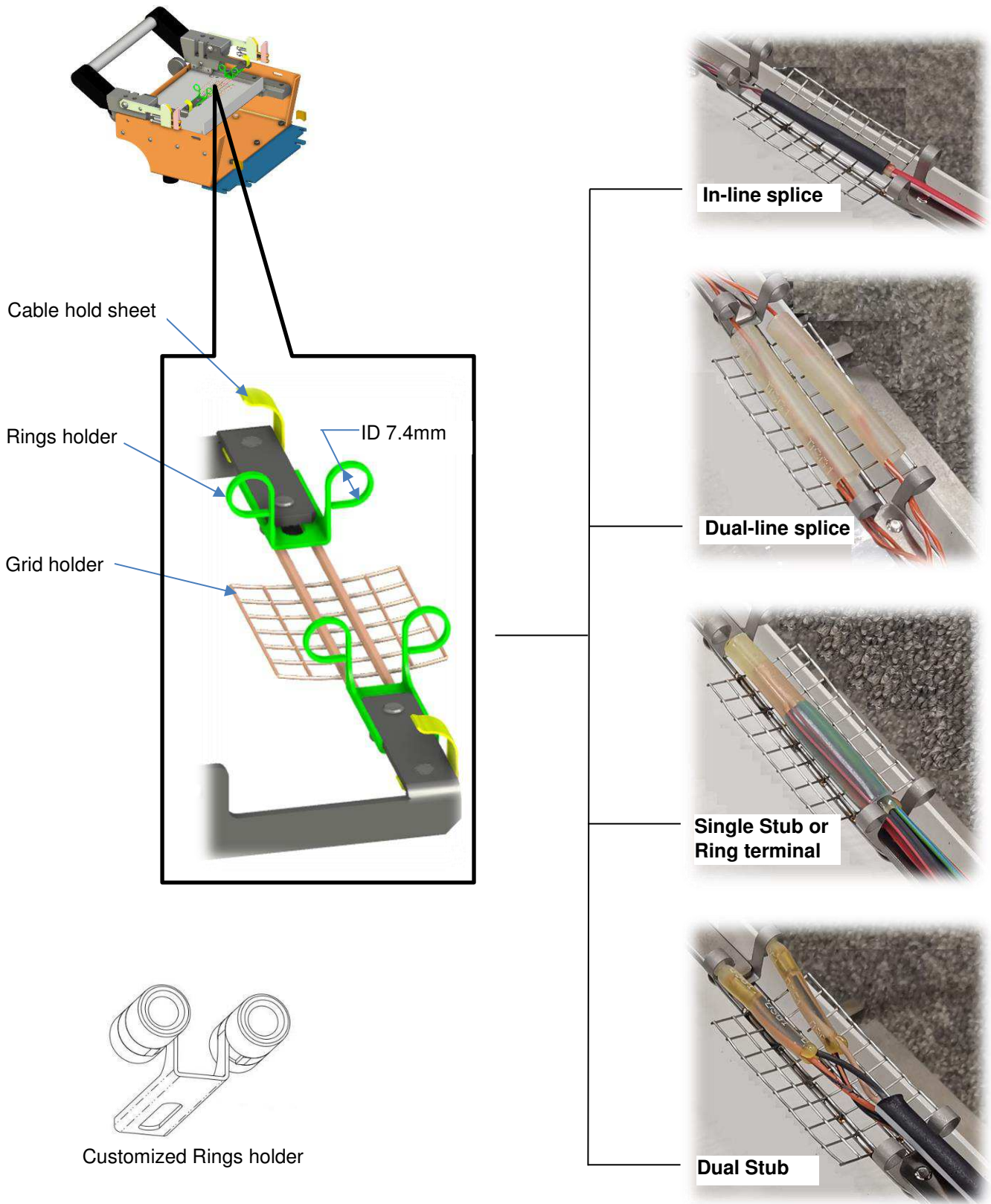
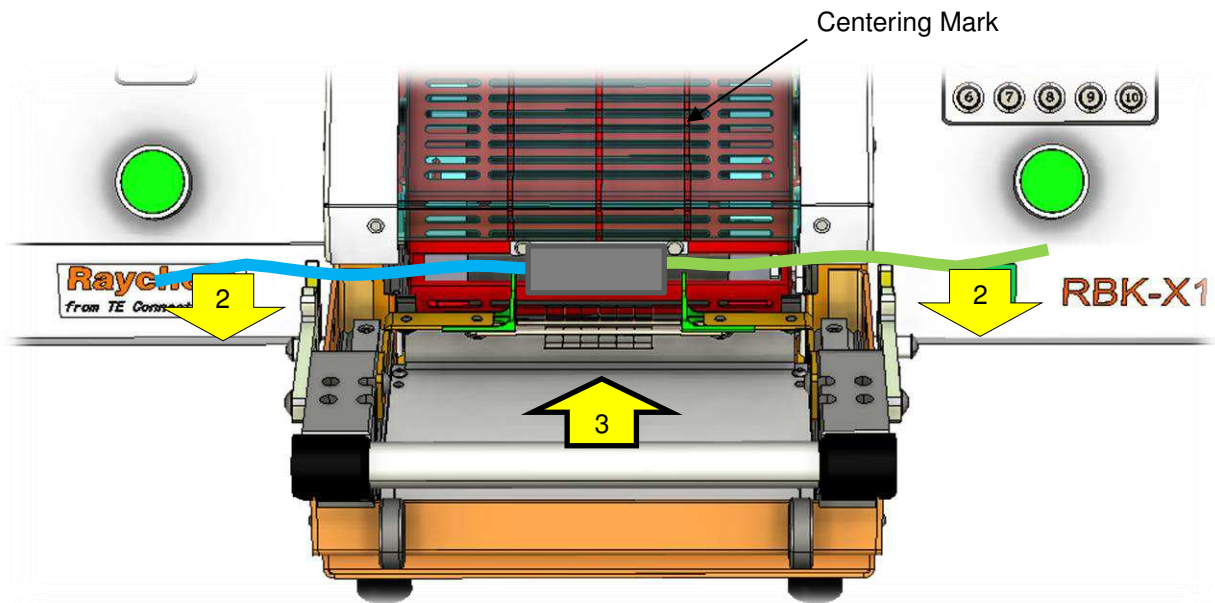


Fig.10 Application type

- Align with the Centering Mark in windows, then press both end of cable into cable clamber.

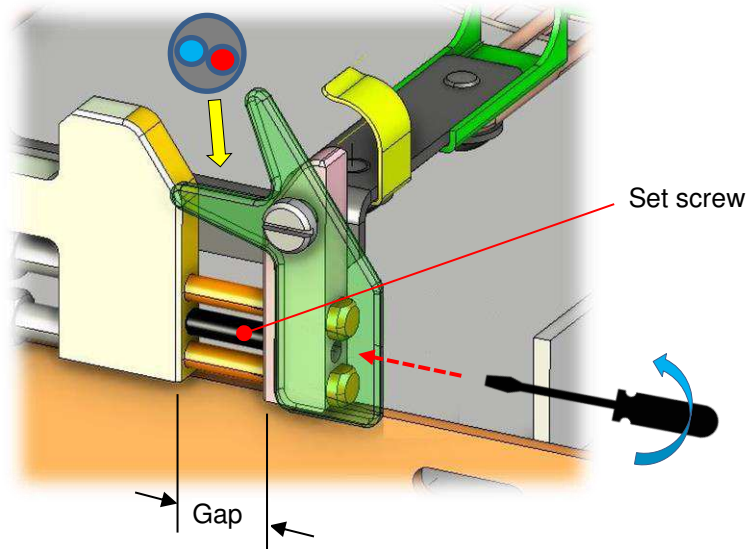


- Adjust the tube to center if need, then push on handle to feed cable into heating chamber.
- Start heating cycle as normal.
- When cycle finished, bracket carrying cable will be ejected by ejector blade automatically. At this moment, if the RBK fixture have air cooling function (2234786-2), the pressure air will start to blow on tubing. (For RBK-X1, operator can edit the blowing time in touch panel. See below capture.)

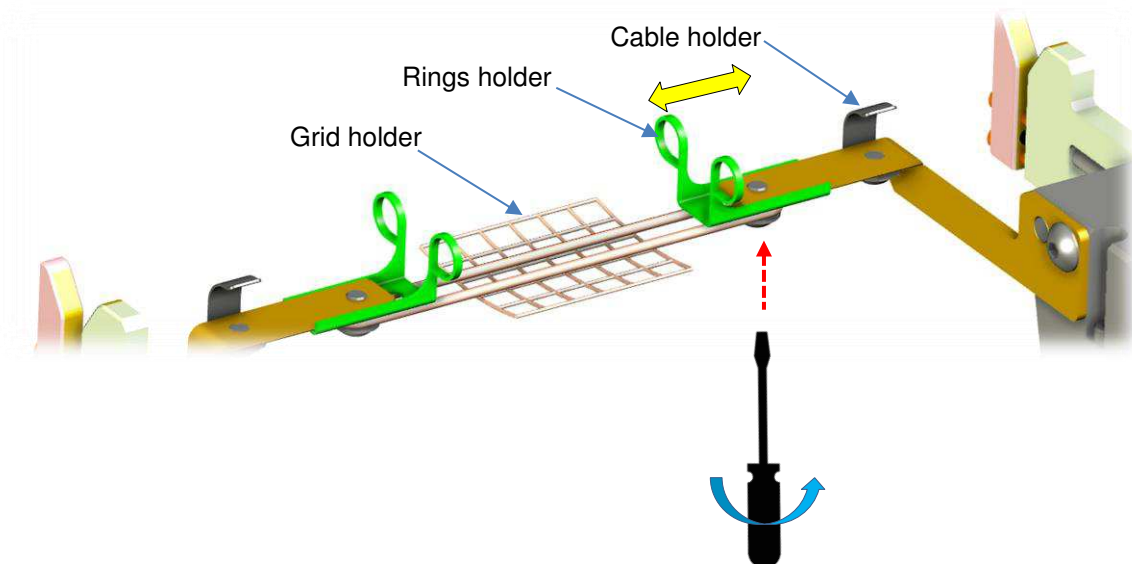


4 Adjustment

1. Adjust the gap of cable clamber close to cable OD by adjusting the set screw, so operator can press the cable into clamber easily, without affecting the clamber force.

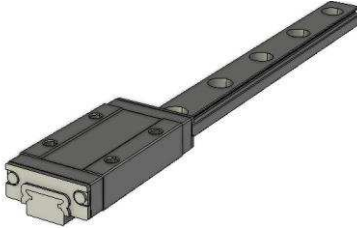
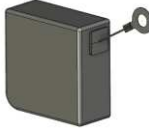
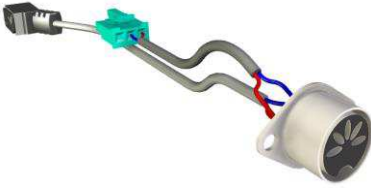






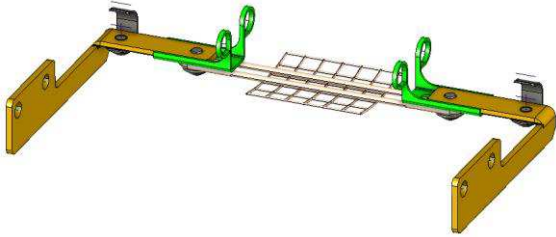
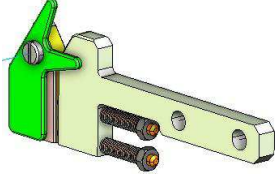
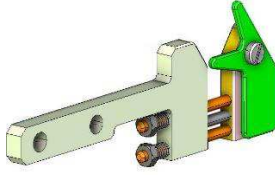
2. The rings holder can be adjusted to center or to side, or turn around if need. So as to fit to the suitable tubing length. Or operator can remove the cable holder or grid holder if need.







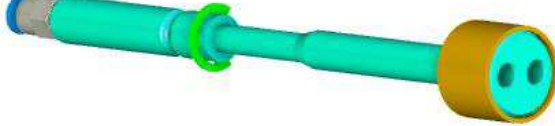


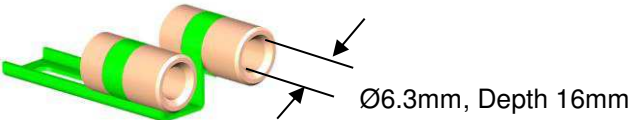
5 Spare parts & Optional components

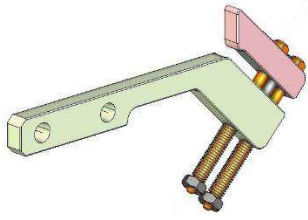
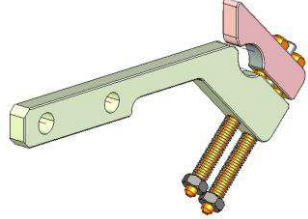
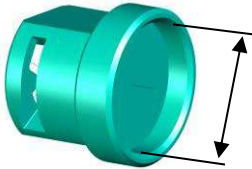
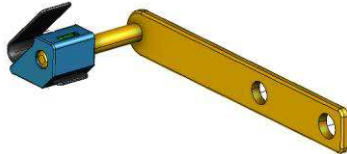
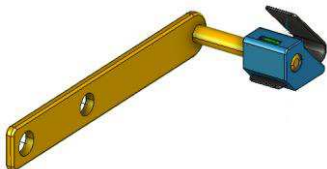
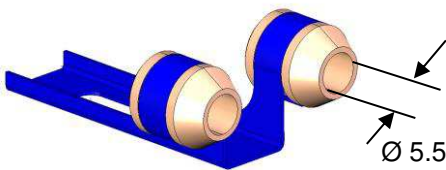
5.1 Spare parts

<i>Description</i>	<i>Picture</i>	<i>Part No</i>
<i>Rail assembly</i>		5-2234788-7
<i>Pull box</i>		2-2234788-6
<i>Extension cable assembly, value</i>		4-2234788-1
<i>Connection cable, RBK4</i>		2-2234788-2
<i>Connection cable, RBK3 & RBK-X1</i>		2-2234788-1
<i>Handle</i>		1-2234788-6
<i>Solenoid value</i>		2079293-2

<i>Description</i>	<i>Picture</i>	<i>Part No</i>
STANDARD TOOL KIT		7-2234788-0
CABLE CLAMPER, LEFT		7-2234788-1
CABLE CLAMPER, RIGHT		7-2234788-2

5.2 Optional components

Description	Picture	Part No
<i>Stub tool holder</i>		2-2234788-9
FIXTURE ID 4,5MM CPL.		6-529533-1
FIXTURE ID 5,5MM CPL.		6-529533-2
FIXTURE ID 8MM CPL.		6-529533-3
DOUBLE FIXTURE ID 4,5MM CPL.		8-529533-2
DOUBLE FIXTURE ID 5,5MM CPL.		8-529533-3
DOUBLE FIXTURE ID 8MM CPL.		8-529533-4
Rings holder, customized		2384437-1

Description	Picture	Part No
<p>CABLE CLAMPER, FLATTEN</p>		<p>6-2234788-8</p>
<p>CABLE CLAMPER, CIRCLE</p>		<p>7-2234788-3</p>
<p>END CAP HOLDER, <i>With cone Dia 6mm</i></p>		<p>4-2234788-9</p>
<p>TUBING HOLDER, Dia 15mm</p>	 <p>Dia 15mm, Dep 3mm</p>	<p>5-2234788-9</p>
<p>CABLE FLATNESS KEEPER, RIGHT</p>		<p>4-2234788-7</p>
<p>CABLE FLATNESS KEEPER, LEFT</p>		<p>4-2234788-8</p>
<p>END CAP HOLDER, DUAL</p>	 <p>Ø 5.5mm, Depth 5mm</p>	<p>7-2234788-4</p>

6 Replacement and repair

If the dies are damaged or worn excessively, they must be replaced. Order replacement dies through your TE representative or go to [TE.com](https://www.te.com) and click the **Shop TE Store** link at the top of the page.

For field service, go to the [Service and Repair](#) page on the TE website, or send an e-mail to the address for your region in Table 1.

Figure 1: Service and repair



Table 1: Field service e-mail addresses

Region	Address
Asia	Tefe1ap@te.com
EMEA (including India)	Tefe1@te.com
North America	Fieldservicesnorthamerica@te.com
South America	FSE@te.com

7 Revision summary

Since the last revision of this document, the following changes were made:

- Updated instructions in Section 1.
- In Section 5.1 Updated Rail assembly and Pull box image, Removed Left bracket, Right bracket, Grid holder, Rings holder and Spring, cable clasper parts.
- In Section 5.2 Updated Rings holder, customized image and new parts are added.