

# UPPERCUT MANUAL UPPERCUT AUTO

## VERTICAL CUTTER

- UC-210** UPPERCUT MANUAL VERTICAL CUTTER, 210 cm
- UC-250** UPPERCUT MANUAL VERTICAL CUTTER, 250 cm
- UC-AUTO-305** UPPERCUT AUTO VERTICAL CUTTER, 305 cm

USERS MANUAL





**EUROTECH GROUP PTY LTD**, 72 John Street, Welshpool 6106, WA  
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# INTRODUCTION

**EUROTECH** is not responsible of damages as result of an use or maintenance of the machine not foreseen in this introduction manual. In the same way **EUROTECH** frees any responsibility derived for the use of pieces and spare parts witch are not originals.

This machine has been designed and produced under the essentials requirements of the Directive 98/37 CE.

For any claim or observation, please indicate model, serial number and year, wich is show on the plate, and also the distributor who sold the machine and address to:

**EUROTECH** 72 John Street, Welshpool 6106 WA

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Email: info@eurotech.com.au

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# GENERAL INFORMATION

## MACHINE IDENTIFICATION

This machine comes with a dataplate with the following information:

CE Marking  
 Name and address of the manufacturer  
 Designation of the machine (Model)  
 Serial number  
 Weight (kg)  
 Manufacturing year

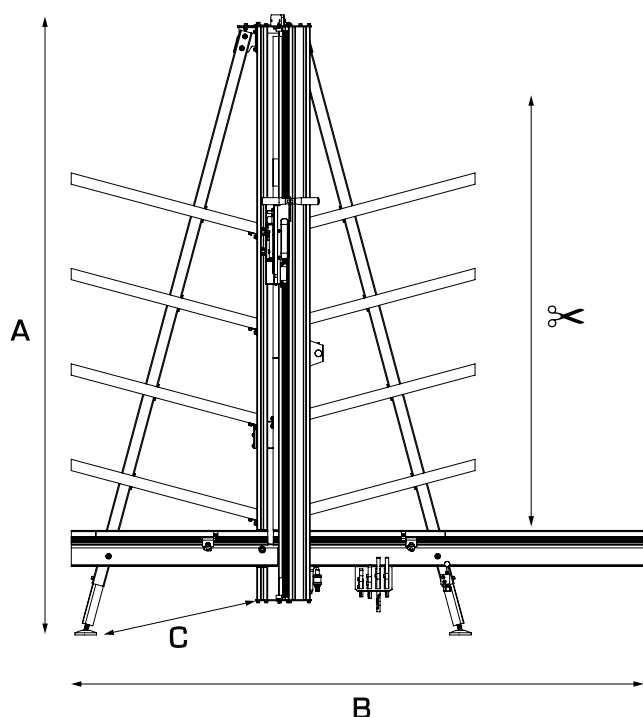
All spare orders or technical requests must be accompanied with model, serial number and purchasing year.

## SIZE, WEIGHT AND PACKAGE SIZES

	<b>UC-210</b> <b>UpperCut Manual 210 cm</b>	<b>UC-250</b> <b>UpperCut Manual 250 cm</b>
<b>Dimensions A x B x C</b>	268 x 210 x 56 cm 105 x 82 x 22"	310 x 210 x 56 cm 122 x 82 x 22"
<b>Weight</b>	84 Kg / 185 lb	102 kg / 224 lb
<b>Packing dimensions</b>	278 x 49 x 46 cm	331 x 49 x 46 cm
<b>Packing weight</b>	114 Kg 126 Kg (with free standing)	130 Kg 144 Kg (with free standing)

	<b>UC-305</b> <b>UpperCut Auto 305</b>
<b>Dimensions A x B x C</b>	365 x 210 x 56 cm 143 x 82 x 22 "
<b>Weight</b>	128 Kg / 282 lb
<b>Packing dimensions</b>	410 x 49 x 46 cm
<b>Packing weight</b>	182 Kg 198 Kg (+ free standing)



## HOW TO PROCEED WITH TRANSPORT DAMAGES

- 1. Try to open** the parcel together with the driver.
- 2. If the content is damaged**, try to make a protocol and pictures of the damage.
- 3. If you decide to accept the goods**, please do this with writing "damaged" on the tracking note.
- 4. Please inform your local importer or dealer** about everything within the very next hours.

# GENERAL INFORMATION

## UNPACKING INSTRUCTIONS

The machine comes packed in a cardboard box. It is provided with a working guide and a complementary kit. To unpack the machine, please follow the next steps:

- A. Cut the machine holding strips.
- B. Remove the cover of the cardboard box. C. Unscrew and remove the security parts which fix the structure to the cage.
- C. Remove all containing groups and parts. Handle with care

**CAUTION: Some containing groups and parts into the cage are heavy. Two people are required to manipulate them.**

- D. Refer to the list of parts and familiarize yourself with all described groups and parts.
- E. Read carefully this working guide and see the section "Assembly Instructions" to set up the machine.

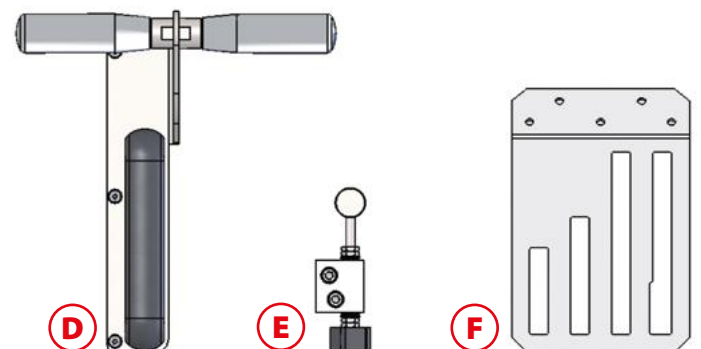
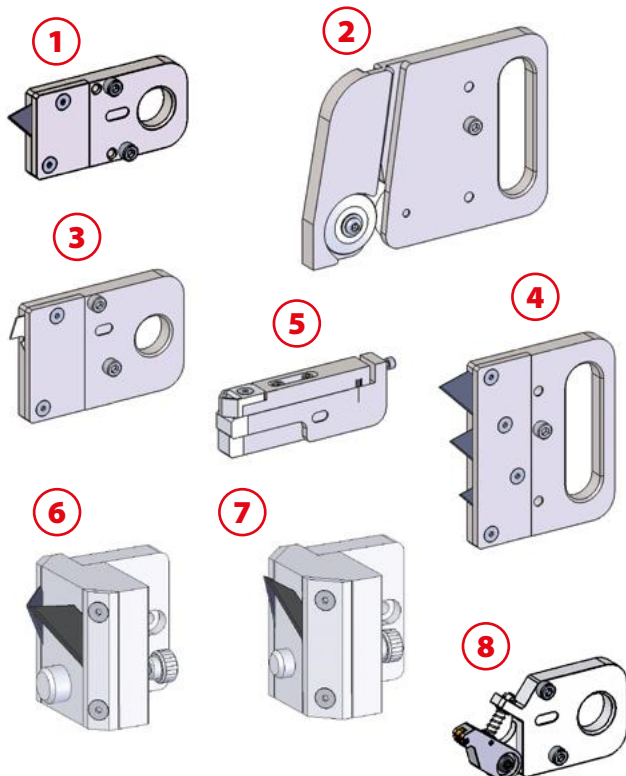
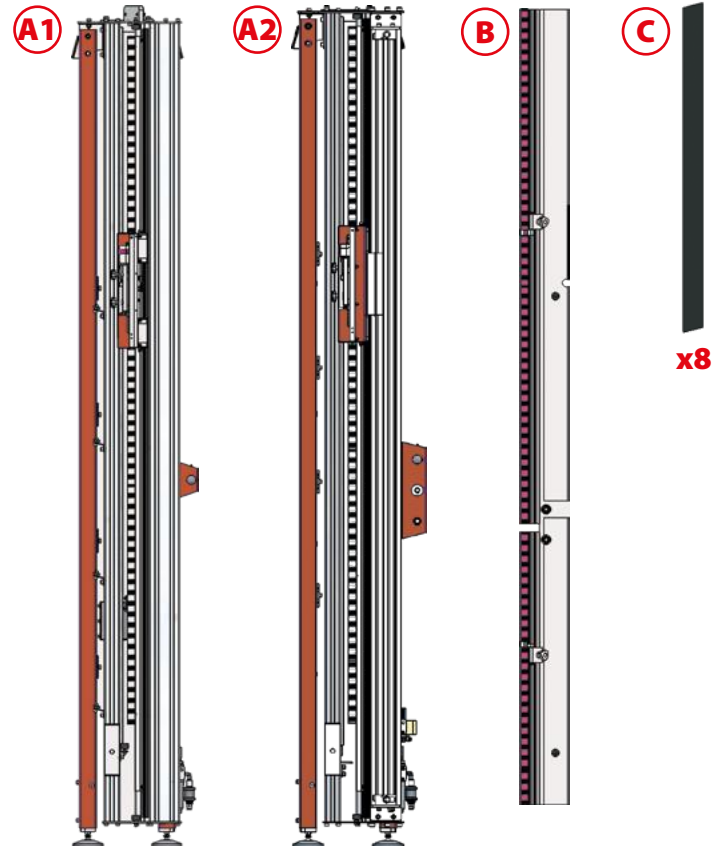
### LIST OF PARTS INBLADE

#### Parts to set up the machine:

- A1. Main assembly group with lateral brackets **UpperCut Manual**
- A2. Main assembly group with lateral brackets **UpperCut Auto**
- B. Horizontal support group with measurement stops.
- C. Panel supports (8 units).
- D. Double handle system group **Only for UpperCut Manual**
- E. Adjusting screw system.
- F. Cutting heads support.
- G. Working guide.

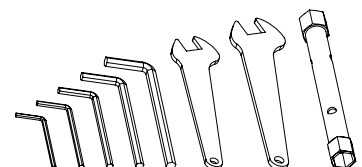
#### Cutting heads list:

1. Semi-rigids cutting head **-Included-**
2. Aluminium composite cutting head **-Included-**
3. Acrylic cutting head **-Optional accessory-**
4. Triple Blade cutting head **-Optional accessory-**
5. V-Groove cutting head Rigids **-Optional accessory-**
6. Re-Board V-Groove Cutting Head **-Optional accessory-**
7. Foamboard V-Groove Cutting Head **-Optional accessory-**
8. Glass Cutting Head **-Optional accessory-**



### SET OF ACCESSORIES PROVIDED

- Allen keys set (x5).
- 13 mm wrench.
- 17 mm wrench.
- Tube wrench.



# ASSEMBLY INSTRUCTIONS

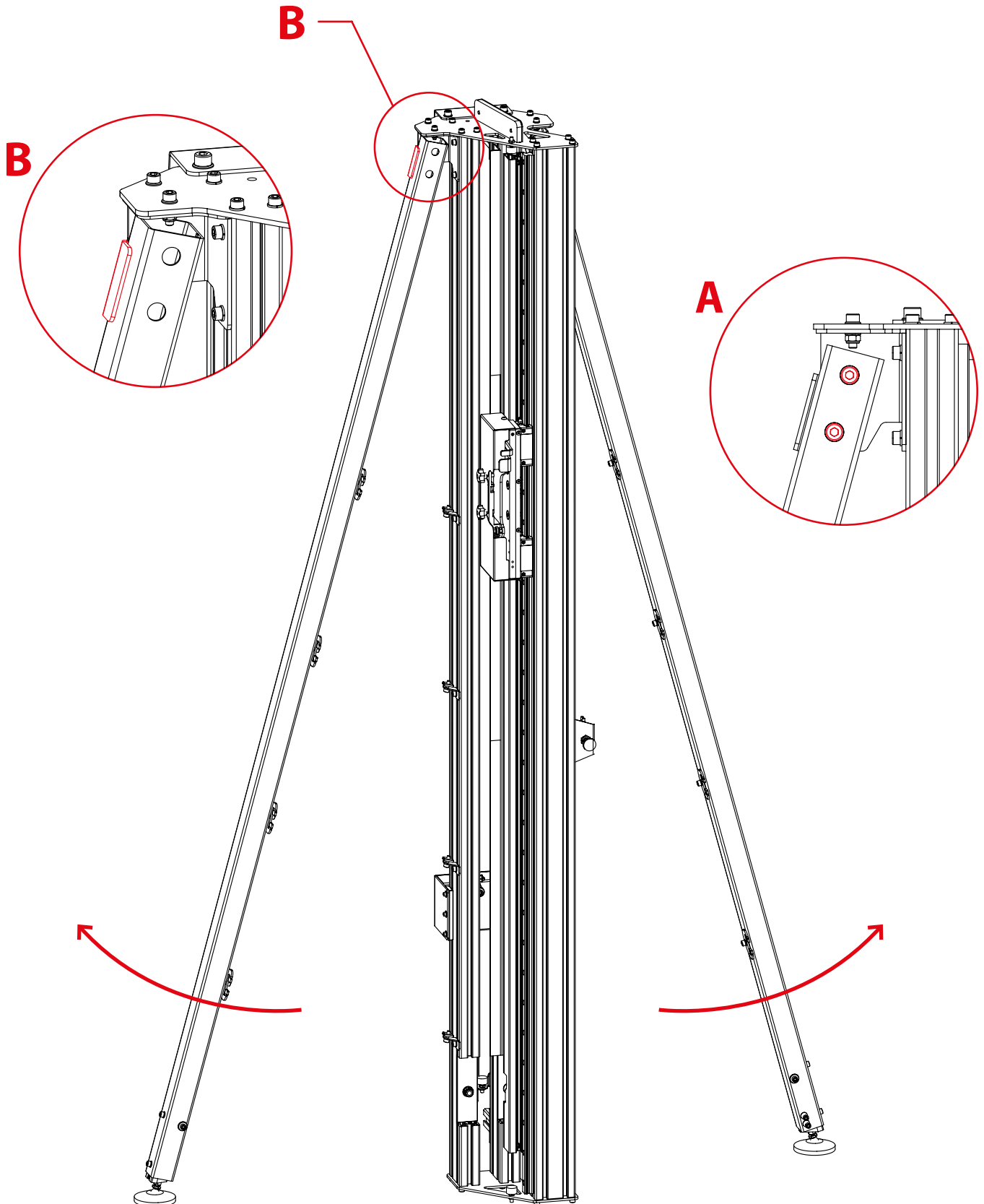
**Attention: Model shown is the UpperCut Manual but for the UpperCut Auto please follow the same steps.**

## STAGE 1

**Note: Please do all first-stage assembly steps horizontally on the floor.**

1. Loosen the top two screws of the lateral bracket located at the left side (A). Repeat the same process for the lateral bracket located at the right side.
2. Open the two lateral brackets until the maximum position (B).

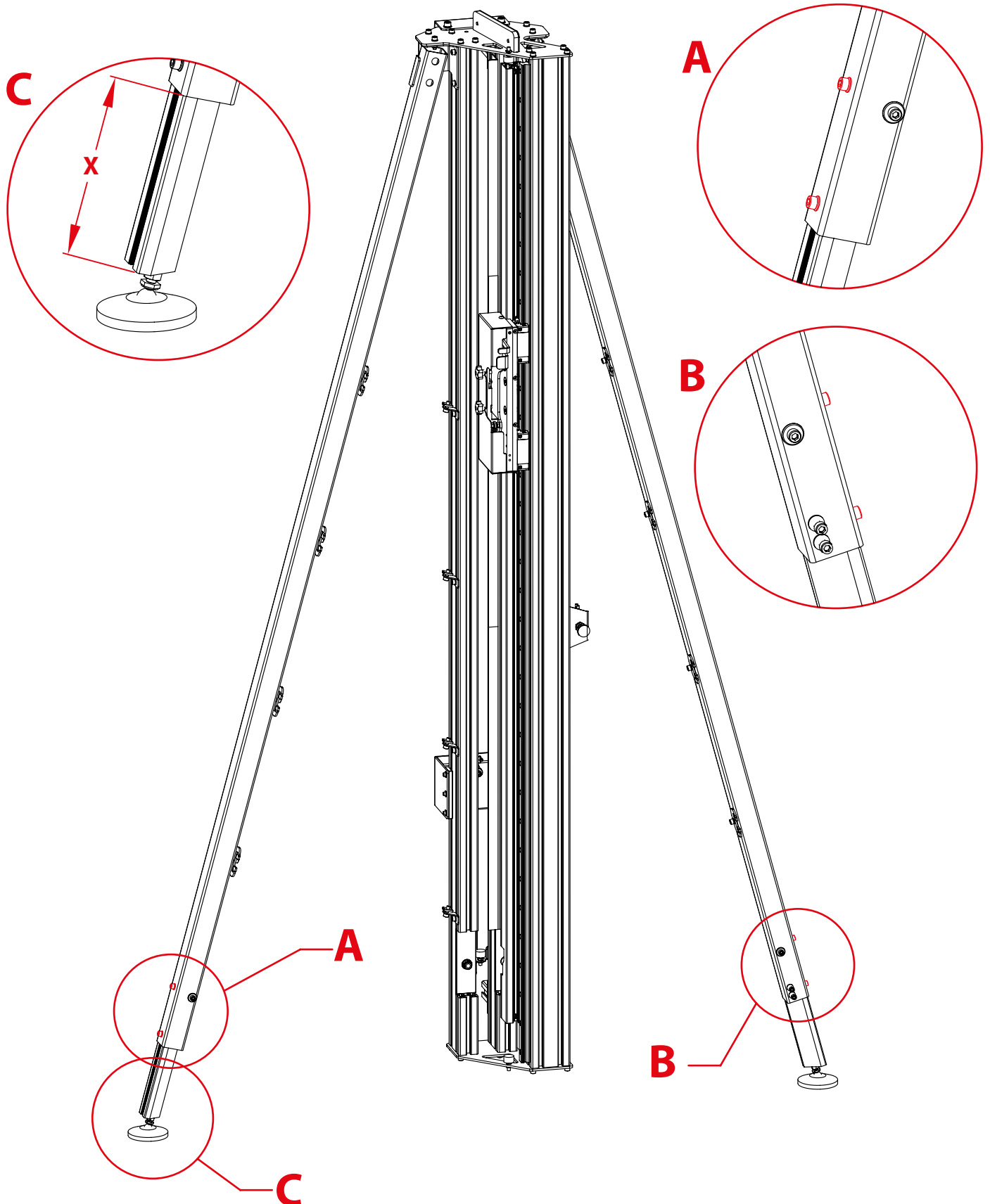
**Caution: For the moment do not tighten these four loosened screws.**



# ASSEMBLY INSTRUCTIONS

## STAGE 2

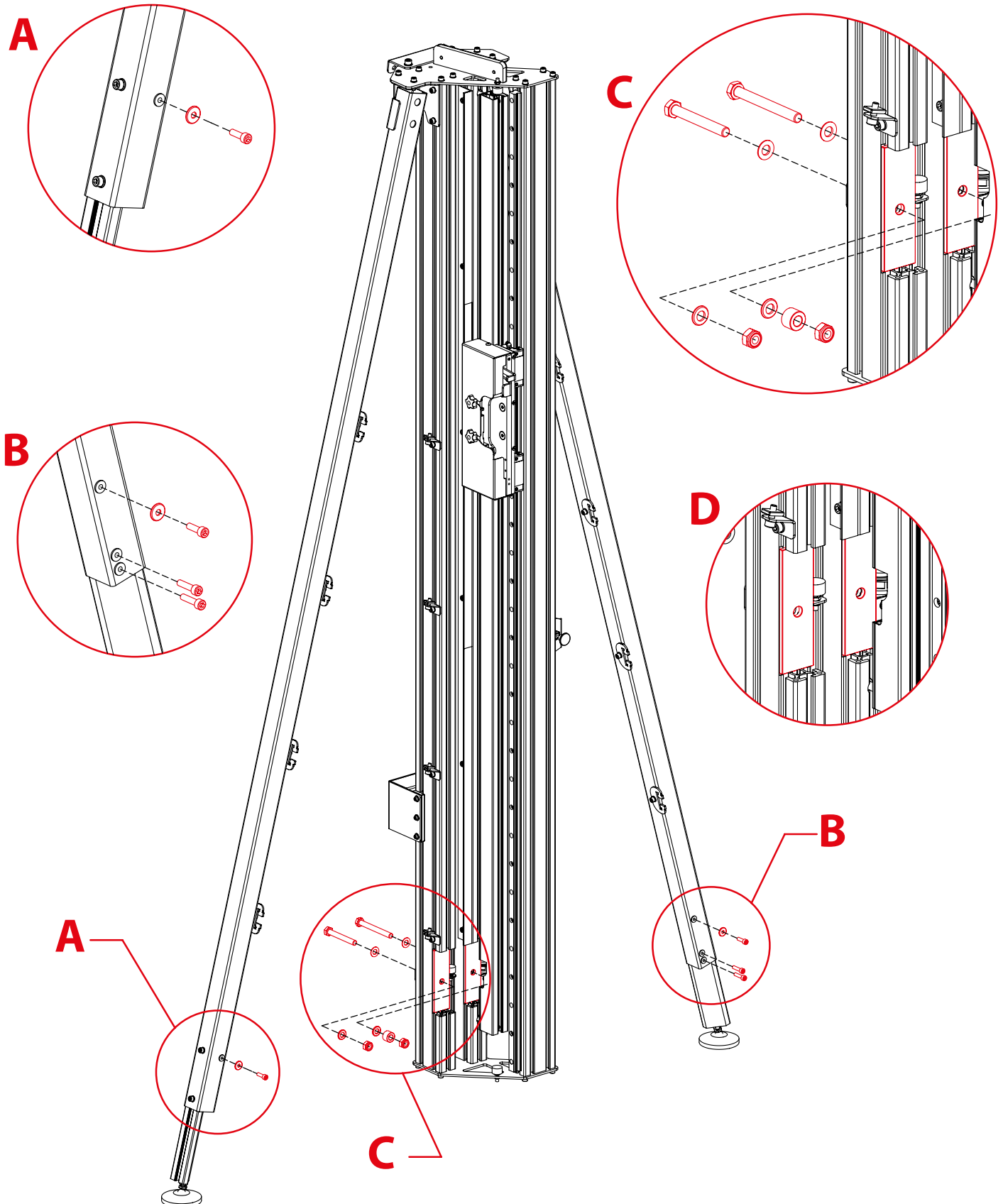
1. Loosen the screws which hold the telescopic legs from both sides (A, B).
2. Lengthen the telescopic legs up to the desired length (C). Be sure to put the same length at the right and left side.
3. Tighten the loosened screws to fix the telescopic legs again.



# ASSEMBLY INSTRUCTIONS

## STAGE 3

1. Remove the screw and the washer from the left lateral bracket (A).
2. Remove the three screws and the washer from the right lateral bracket (B).
3. Remove the screws, washers and nuts from the central columns of the main assembly group (C). Do not remove the two spacers located at the central columns (D). **Caution: Remember the position of all the removed parts.**

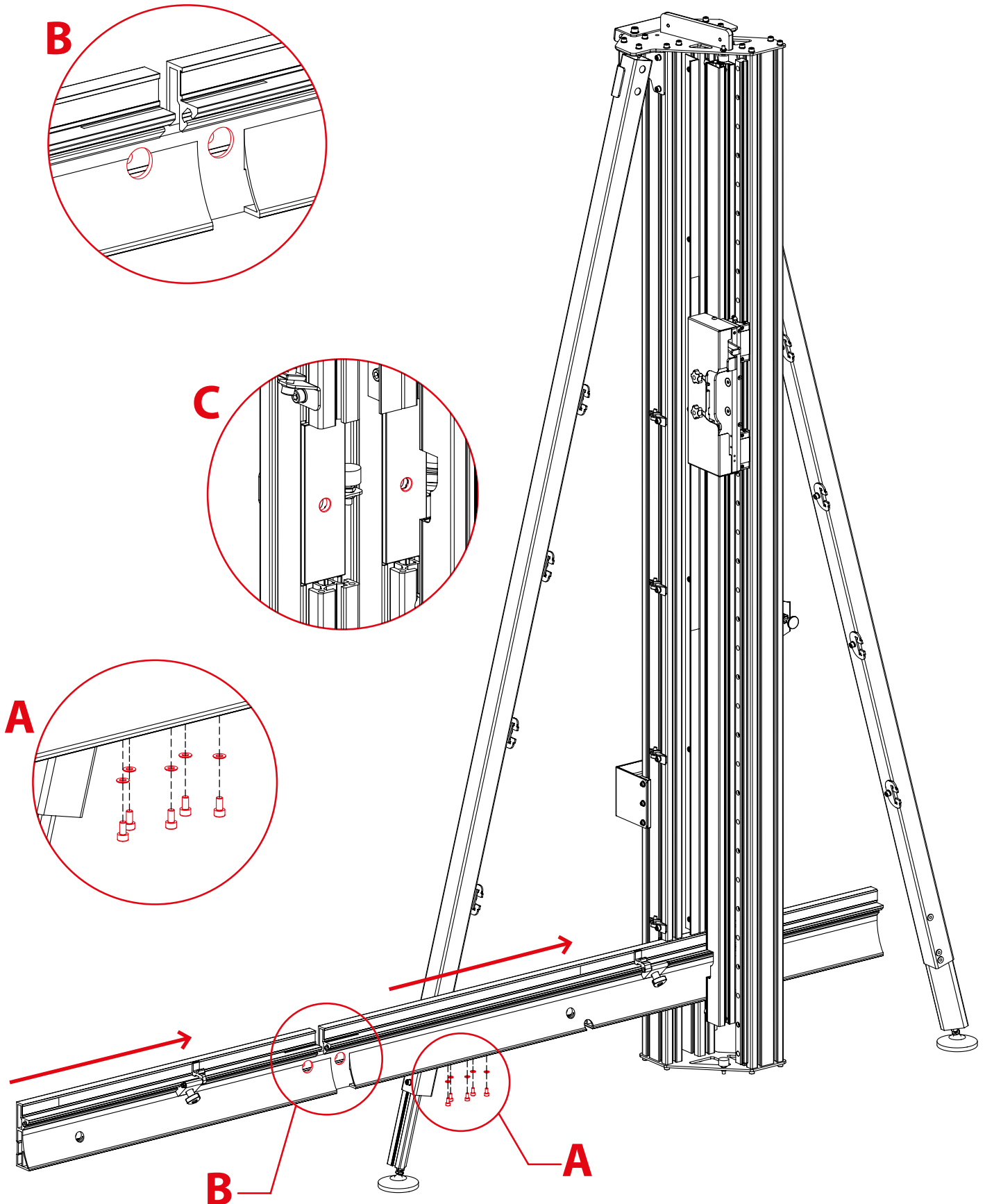




# ASSEMBLY INSTRUCTIONS

## STAGE 4

1. Remove the five screws and the five washers situated at the bottom of the horizontal support group (A).
2. Fit the horizontal support group between the columns of the main assembly group, as shown in the figure. Align the two holes of the horizontal support group (B) with the two holes of the main assembly group (C).

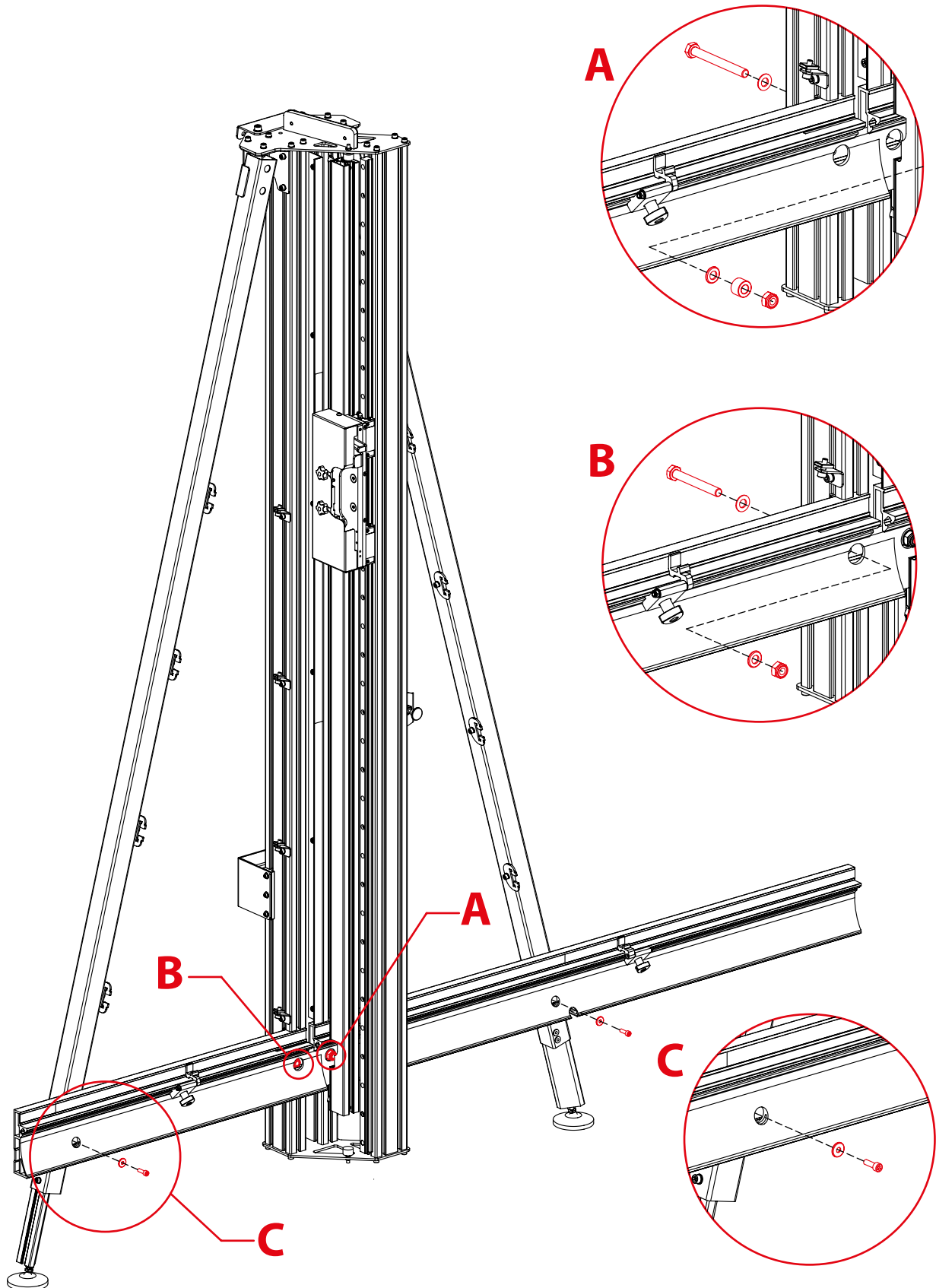


# ASSEMBLY INSTRUCTIONS

## STAGE 5

**Note: Do not tighten the screws at this stage. All the screws must be fitted loosely.**

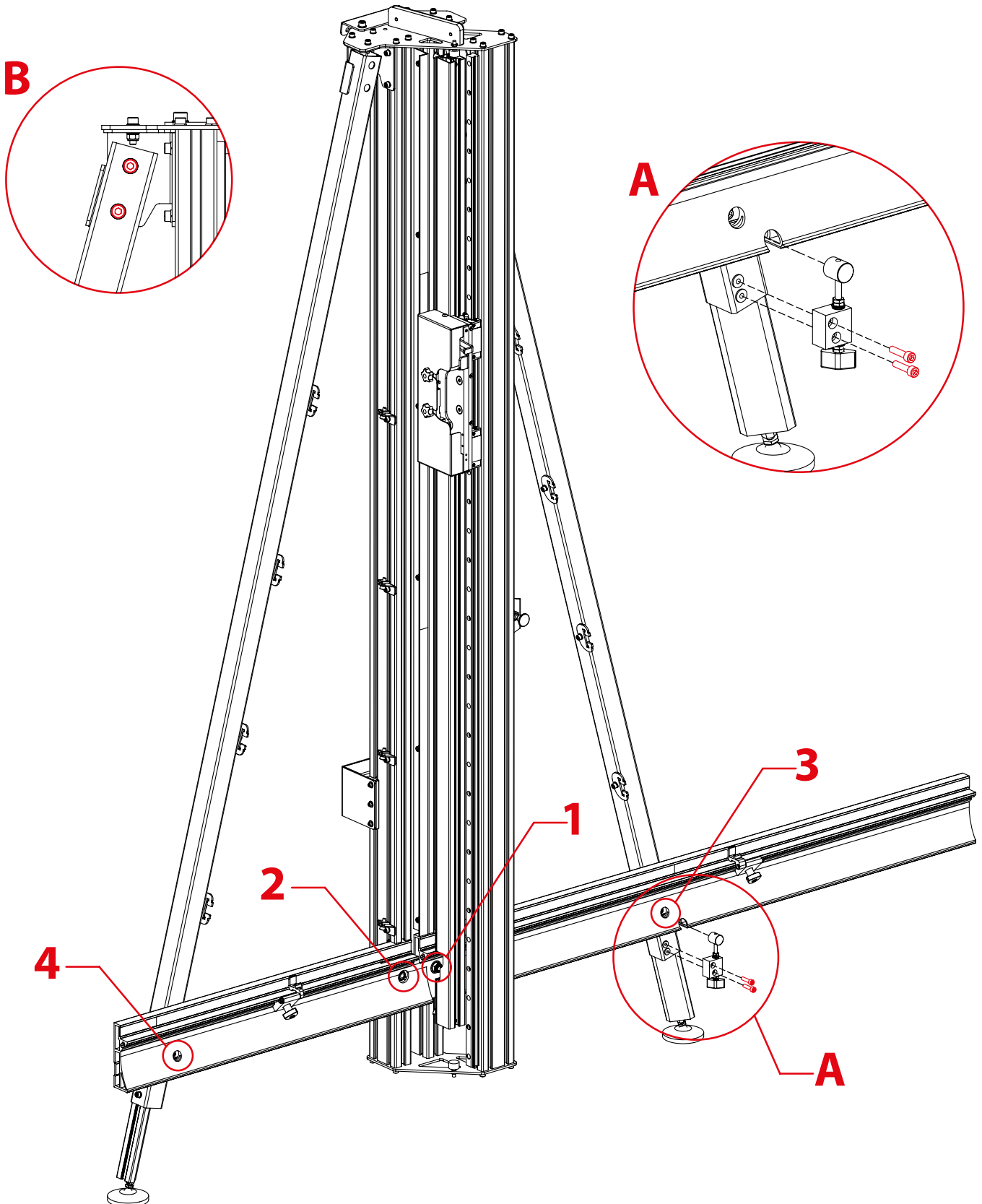
1. Use the screws, washers and nuts removed previously to join the horizontal support group with the main assembly group through the holes of the central columns (A, B). Use the supplied 17 mm wrenches to fix the nuts.
2. Join the horizontal support group with the two lateral brackets using the screws and washers removed previously (C).



# ASSEMBLY INSTRUCTIONS

## STAGE 6

1. Insert the steel cylinder of the adjusting screw system into the hole of the horizontal support group and next lay and tighten the two screws removed previously (A).
  2. Tighten the screws from the central part of the machine (1, 2) and the screws from the lateral brackets (3, 4) to join strongly the two main assemblies.
- Caution: Before tightening, be sure that the two assemblies are well squared.**
3. Tighten the screws located at the top of the lateral brackets (B).

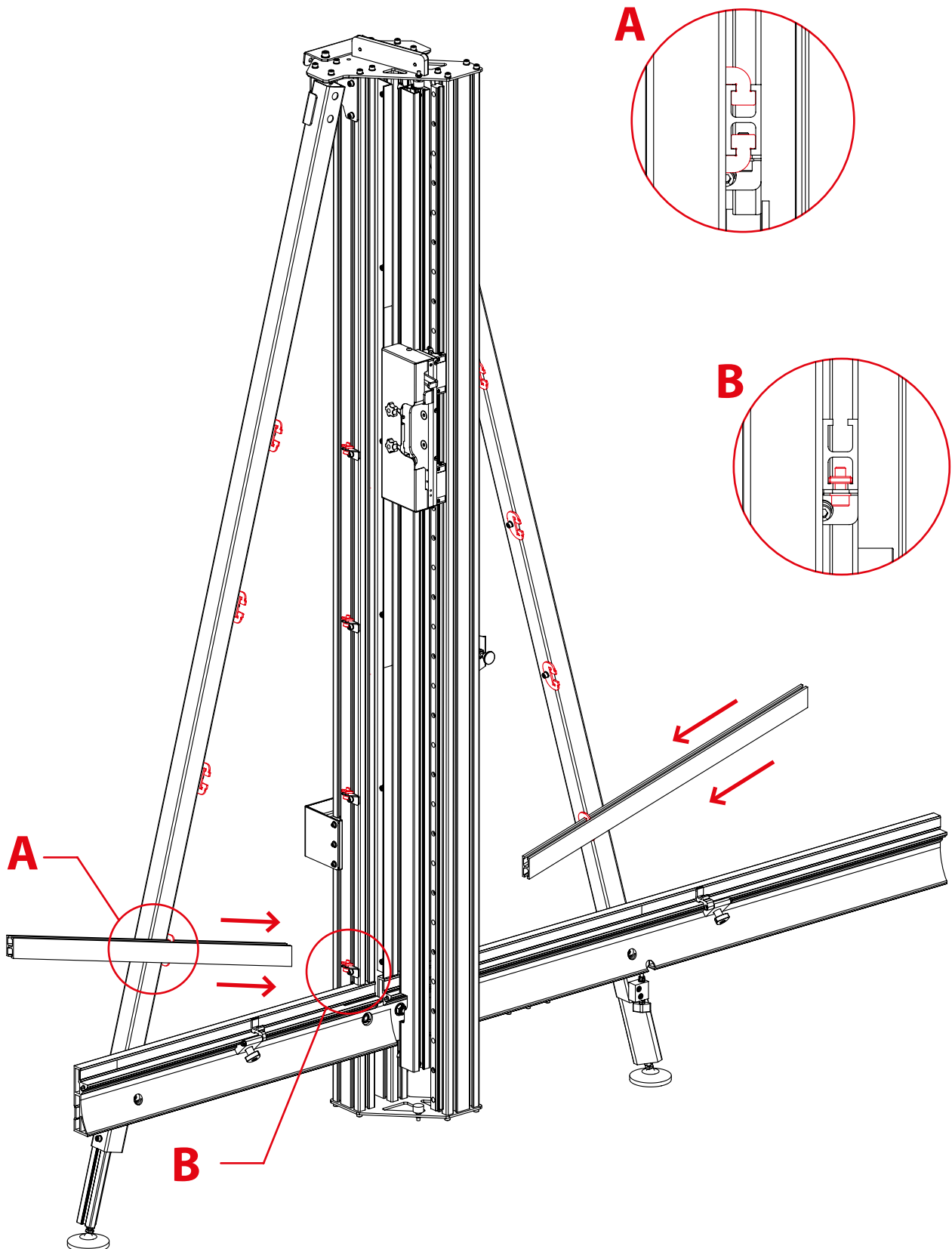


# ASSEMBLY INSTRUCTIONS

## STAGE 7

**Note: Stand up the UpperCut and do all the remaining assembly steps vertically.**

1. Slide the panel support as shown in the figure and match it with the panel support guide (A).
2. Fit the end of the panel support to the nut located at the central column (B).
3. Fix the panel support by tightening the screw of the nut (B).
4. Repeat the same process to assembly the eight panel supports of the UpperCut.

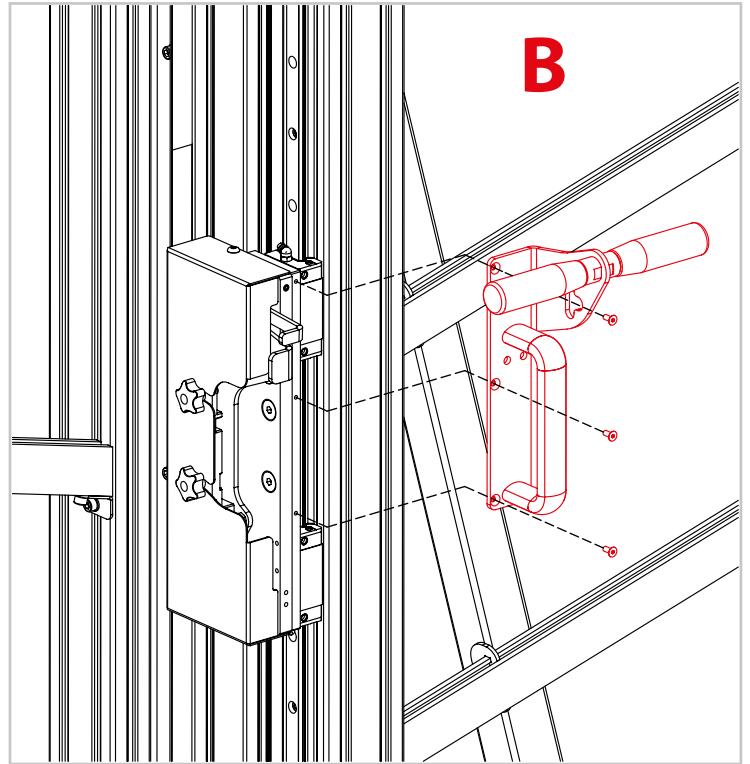
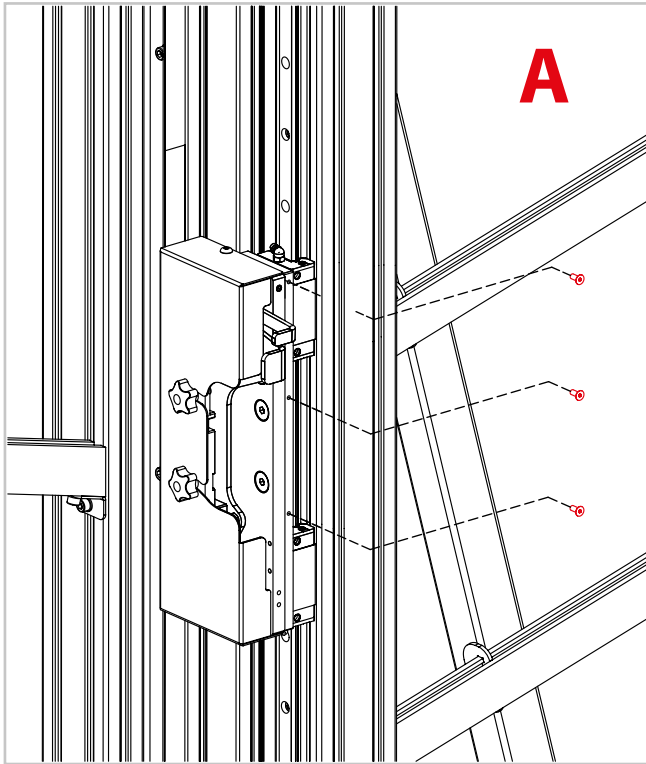


# ASSEMBLY INSTRUCTIONS

## STAGE 8

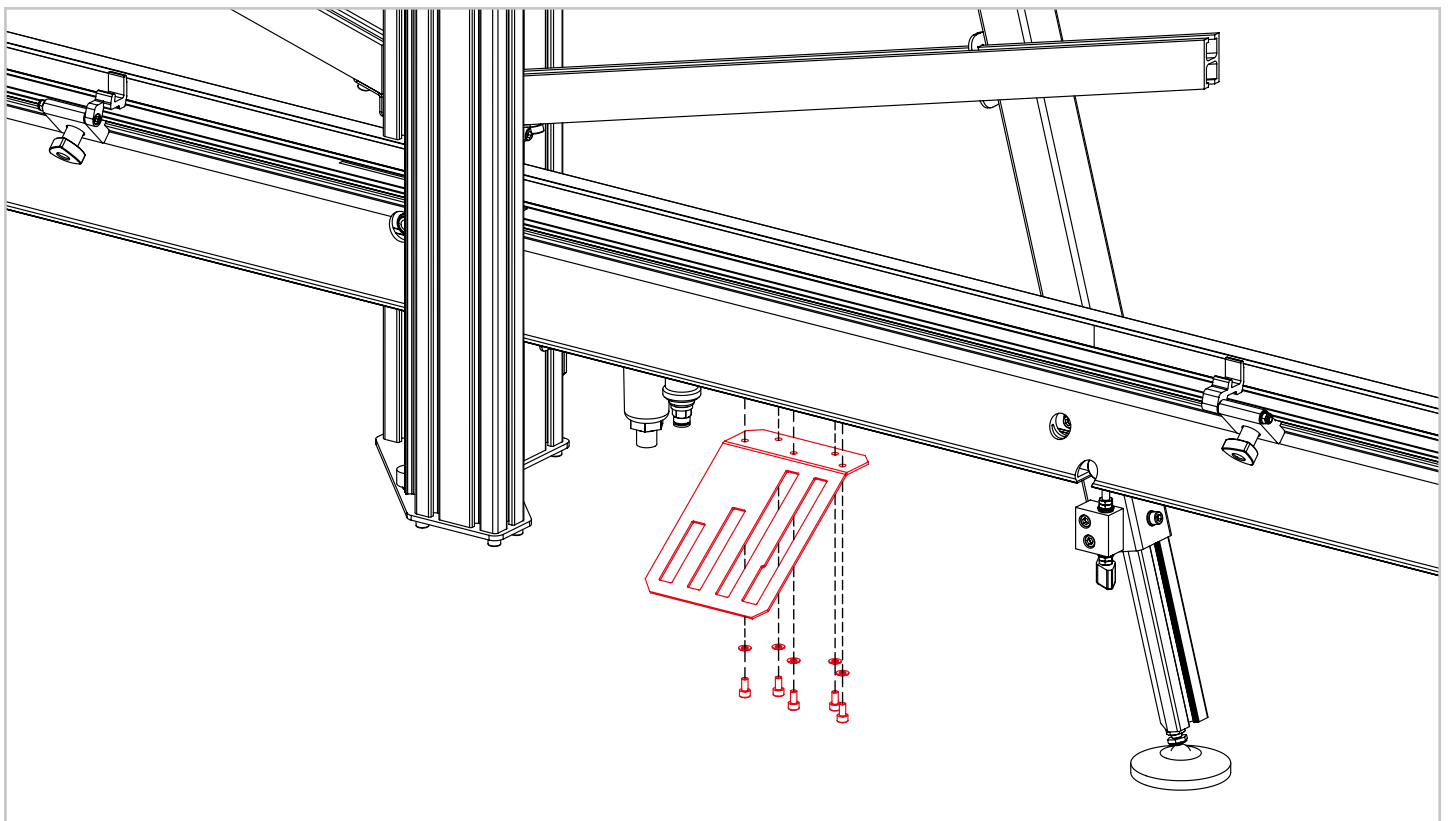
**Note: Stage valid only for the UpperCut Manual. For UpperCut Auto follows in Stage 9.**

1. Remove the three screws from the cutting head holder (A).
2. Lay the double handle system group as shown in the figure and fix it using the three screws removed previously (B).



## STAGE 9

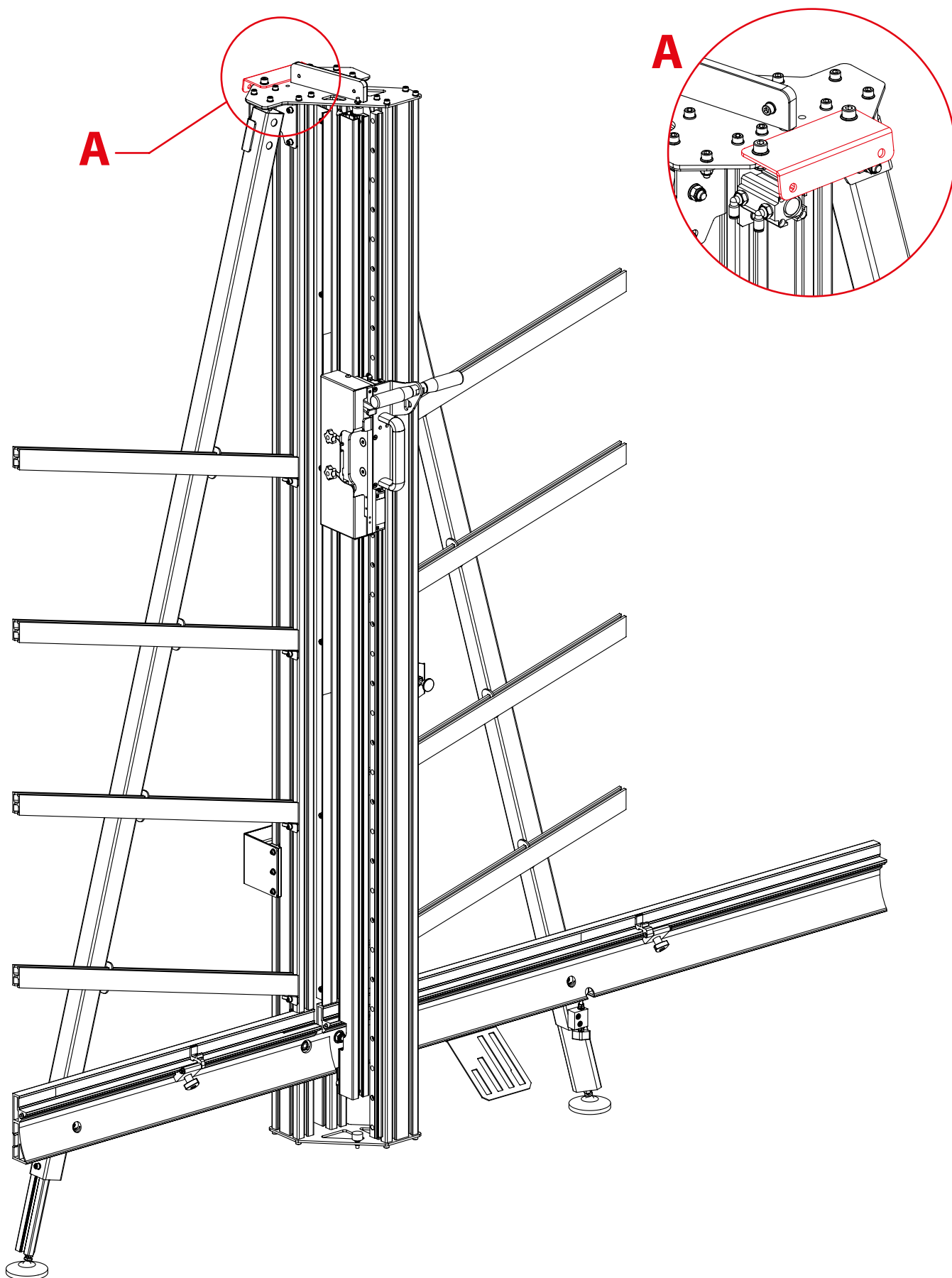
1. Fit the cutting head support at the bottom of the horizontal support group and fix it using the five screws removed at the stage 4.



# ASSEMBLY INSTRUCTIONS

## STAGE 10

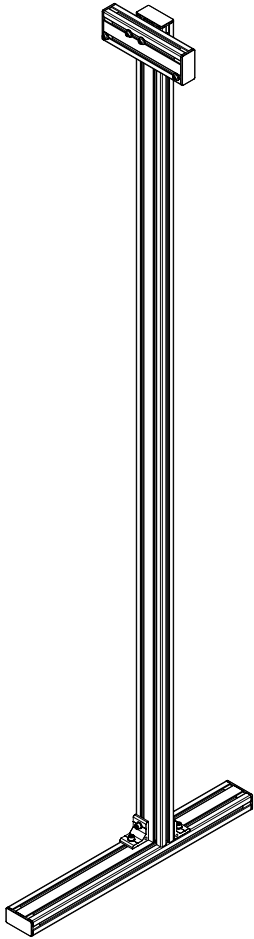
1. Once all the parts have been assembled, screw the UpperCut to the wall or to the free standing accessory using the bracket shown in the figure (A).



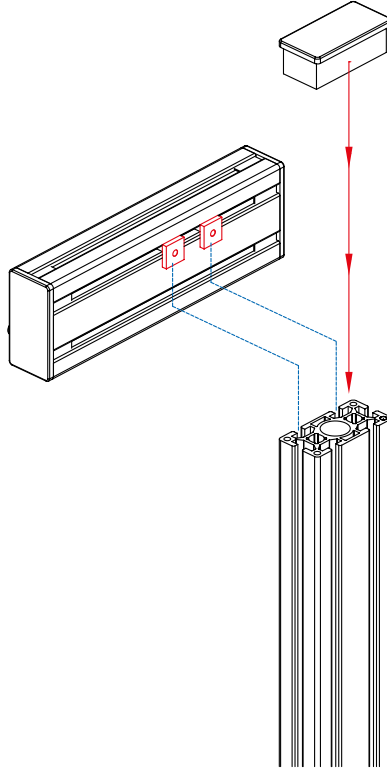
# ACCESSORIES ASSEMBLY INSTRUCTIONS

## FREE STANDING

**Steps to follow in order to install the free standing for the UpperCut cutter:** The free standing accessory is made up of three different parts: the main body, the upper support and the bottom support. Before mounting the machine on the free standing the three parts need to be connected.

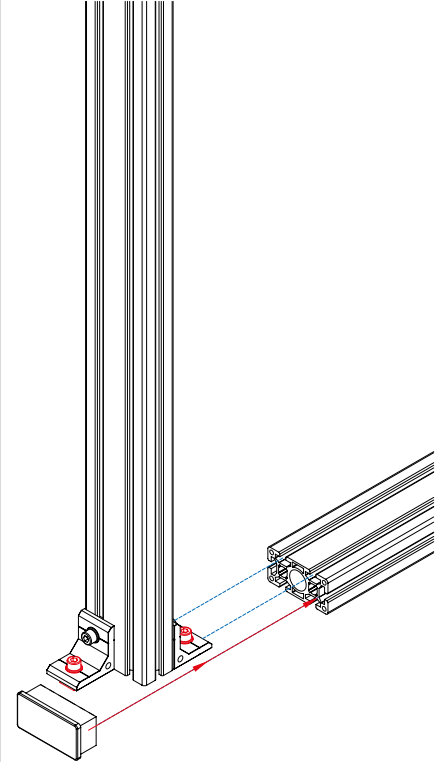


1. General view of the UpperCut Free Standing.



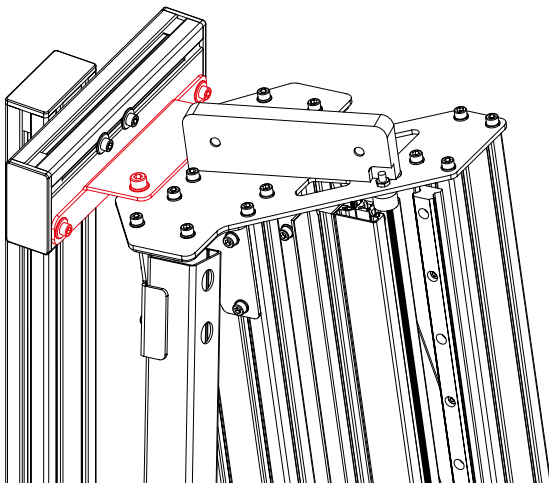
2. Slide the two nuts of the upper support into the slots of the main body.

3. Tight the two screws once the upper support is located as shown in the general view.

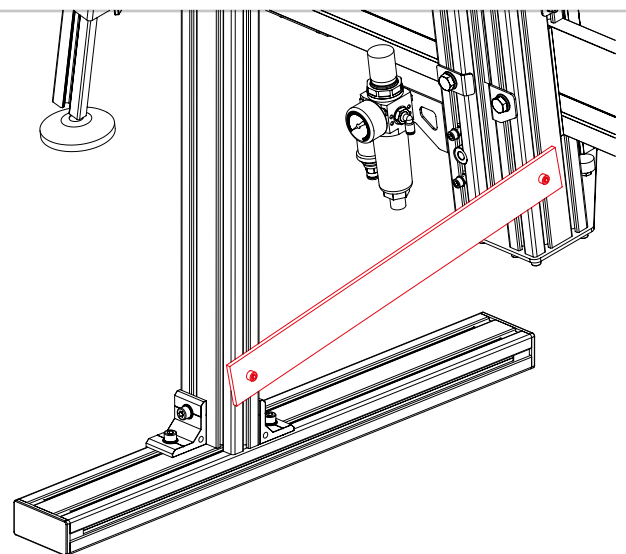


4. Join the bottom support with the main body by sliding the nuts of the brackets into the slots of the profile.

5. Tight the screws once the bottom support is located as shown in the general view.



6. Screw the UpperCut to the upper support of the free standing using the two Allen screws supplied.

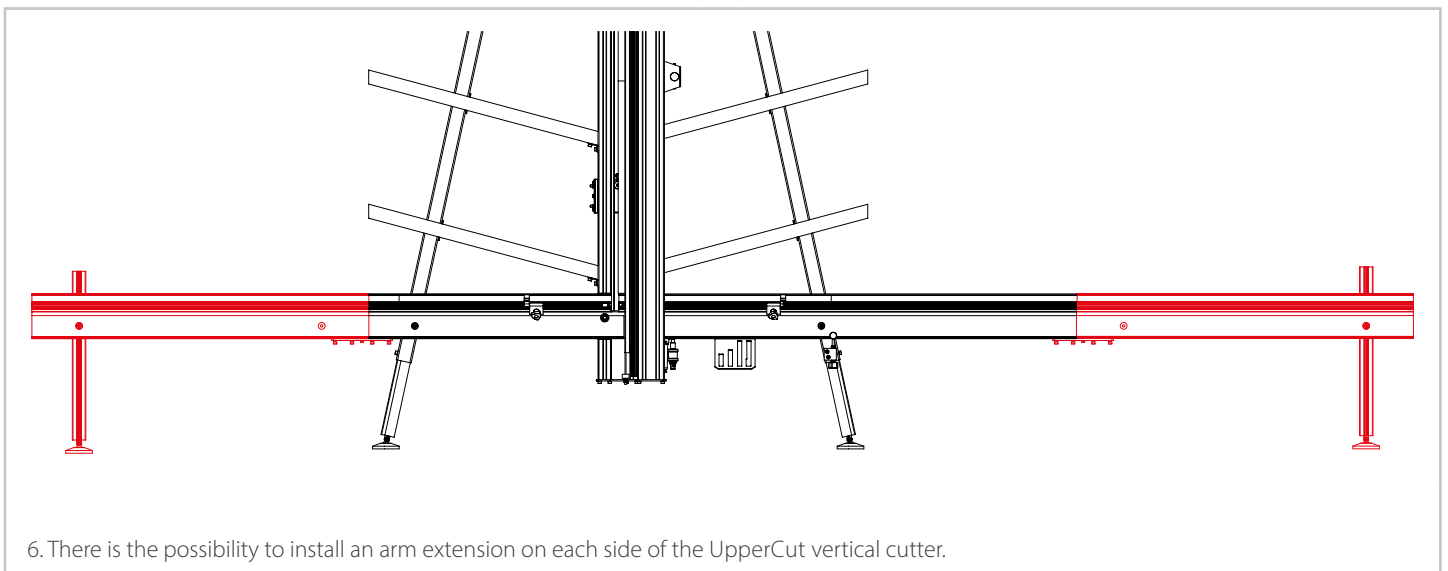
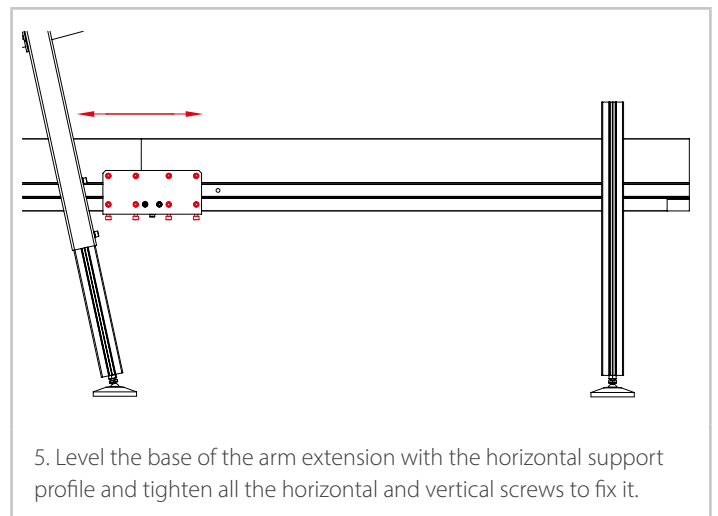
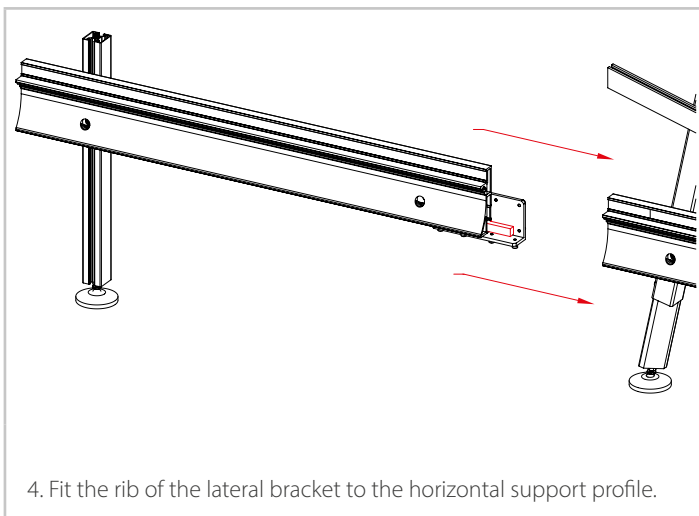
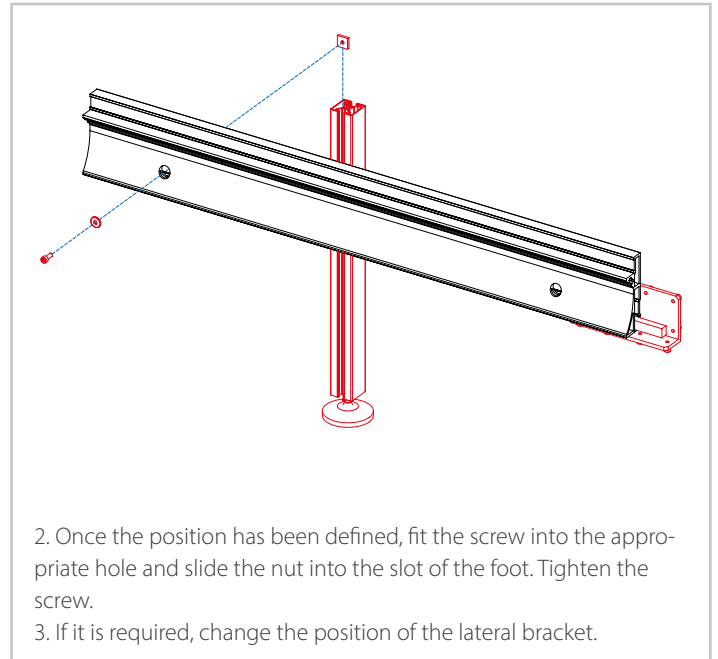
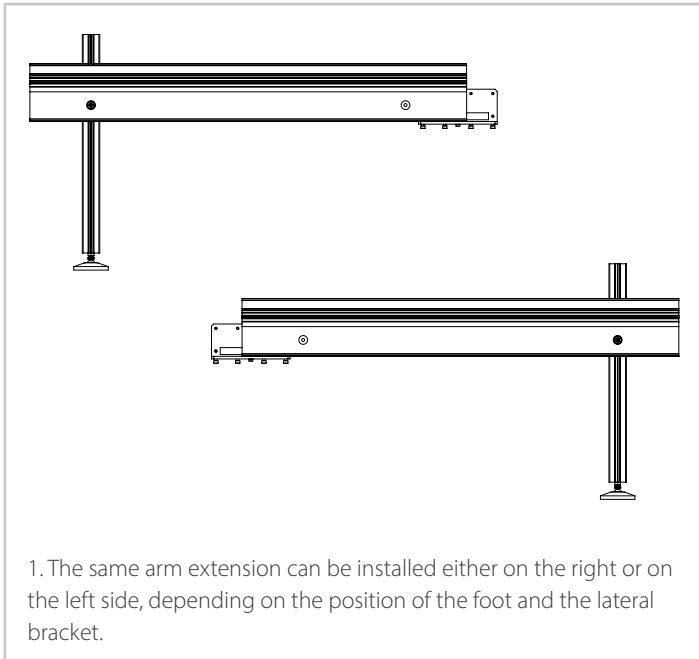


7. Screw the aluminum plate supplied to the free standing and the bottom part of the UpperCut to increase the stability.

# ACCESSORIES ASSEMBLY INSTRUCTIONS

## ARM EXTENSION

Steps to follow in order to install the arm extension for the UpperCut cutter:

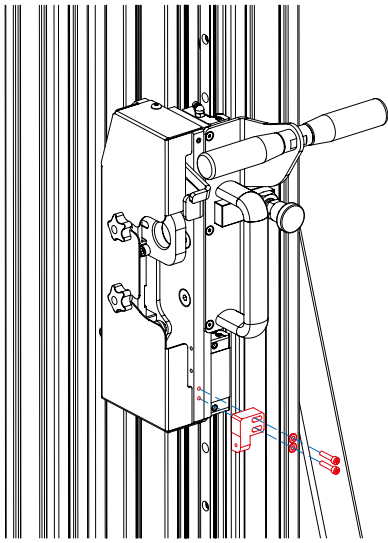




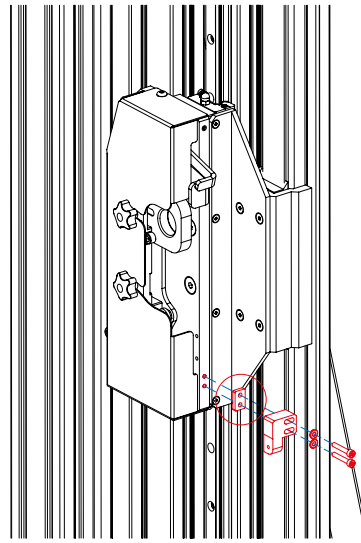
# ACCESSORIES ASSEMBLY INSTRUCTIONS

## LASER

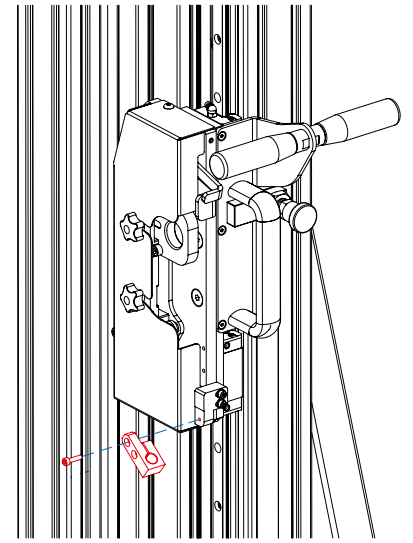
### Steps to follow to install the laser accessory to the cutting head support:



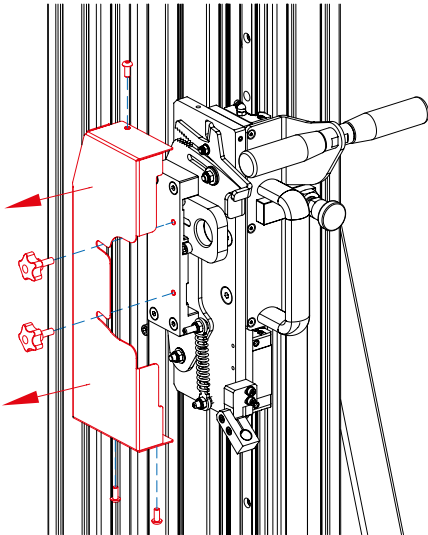
**1. For UpperCut Manual:** Assemble the laser bracket to the cutting head support using the M4x20 Allen screws supplied.



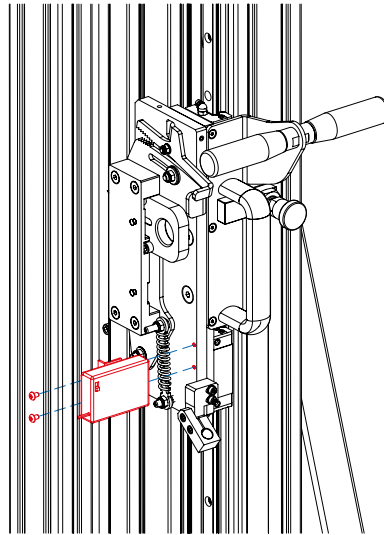
**1. For UpperCut Auto:** Assemble the laser bracket to the cutting head support using the M4x20 Allen screws supplied. Add the aluminum spacer supplied between the bracket and the support.



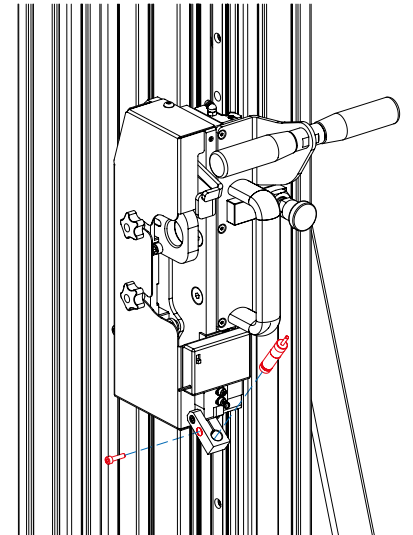
**2.** Screw the arm of the laser to the previous bracket using the M4x16 Allen screw supplied.



**3.** Remove the protective cover by loosening the three screws that hold it and the two handles.



**4.** Fix the batteries holder to the cutting head support using the two M4x6 Round head screw supplied



**5.** Put the cover back and insert the laser to its support. Fix it with the M4x16 Allen screw.

### How to adjust the laser?

1. Place the cutting head at the top of the machine and in a position where it does not actually cut the material but only marks it. Simply release the cutting head backwards a little as explained in figure D on page 23.
2. Place a Foambard sheet and move the cutting head downwards to mark it.
3. Without removing the material, release the cutting head completely backwards and return it to the upper position.
4. Once this is done, match the laser to the mark on the material to adjust it.

# ADJUSTING THE UPPERCUT

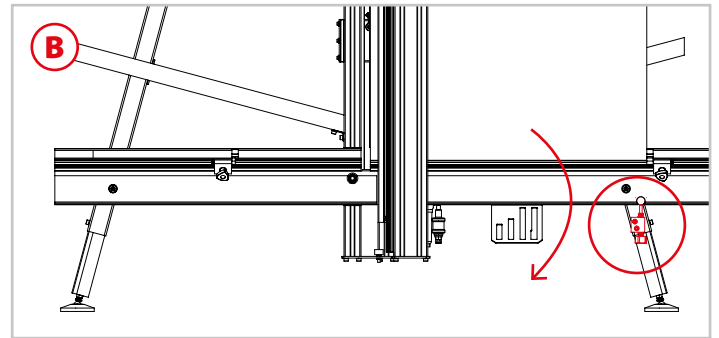
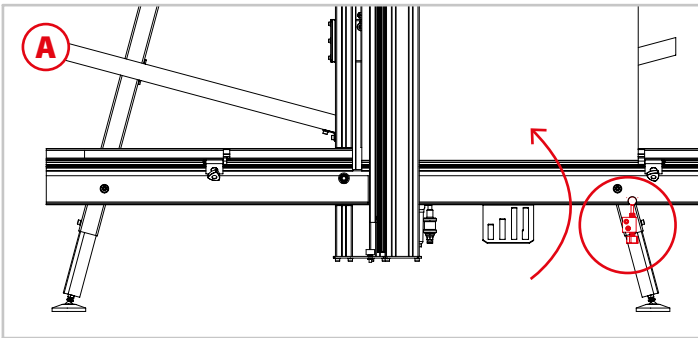
## SQUARING PROCESS

In order to get a correct cut, the UpperCut needs to be squared properly. Follow the next steps if the UpperCut is not squared, using a full sheet of foam board 100 x 150 cm.

### Step 1. Checking for squareness:

1. Place the semi-rigid cutting head to the cutting head holder.
  2. Put the board on the right side of the machine vertically.
  3. Set the right measuring stop at 90 cm.
  4. Place the board to the measuring stop and hold it using the pneumatic clamp.
  5. Cut the material.
  6. Turn over the sheet of material like a page in a book – keep the bottom side on the bottom.
  7. Set the measuring stop at 2 cm less than the initial cutting size (88 cm) and make a second cut.
  8. Remove the sheet, measure the top edge and the bottom edge.
- If the machine is square, the two measurements should measure the same.
  - If the machine is not square, the top and bottom measurements will not be the same.

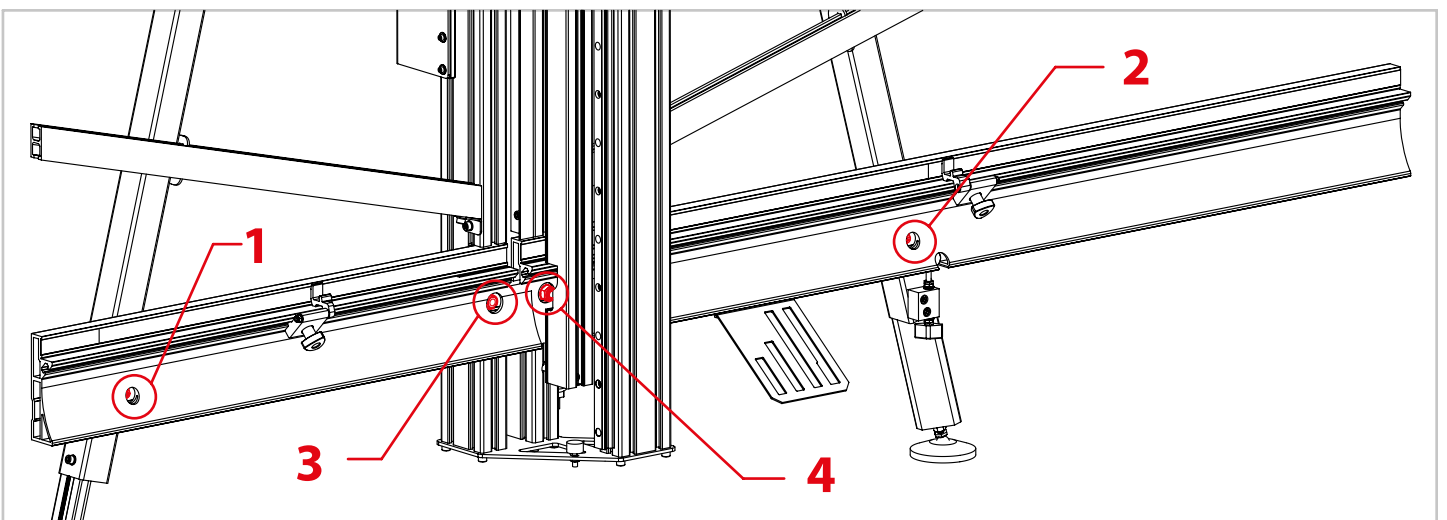
If the top edge is greater, then the steel cylinder from the adjusting screw system has to be raised (A). If the top edge is smaller, then the steel cylinder has to be lowered (B).



**Note:** It is important to record your measurements as the error is equal to  $\frac{1}{2}$  the difference of the measurements you recorded. For example, if the difference between the top and bottom measures 4 mm, the machine is out of square by 2 mm.

### Step 2. Squaring the machine:

1. Keep measuring stop at the same size (88 cm).
2. Loosen the screws from the lateral brackets (1, 2) and the nut from the left column of the main assembly (3). Check that the nut from the right column (4) is properly tight.



# ADJUSTING THE UPPER CUT

## SQUARING PROCESS

### Step 3.

Place the board on the machine, touching the measuring stop:

• **If the material was greater at the top:**

- Lower the cutting head so that it is positioned 1 millimeter above the top edge.
- Adjust the horizontal support group by raising the steel cylinder (turn the adjustment screw clockwise, viewed from above (A)) until the material has passed the edge of the blade by 2 mm (in this example).

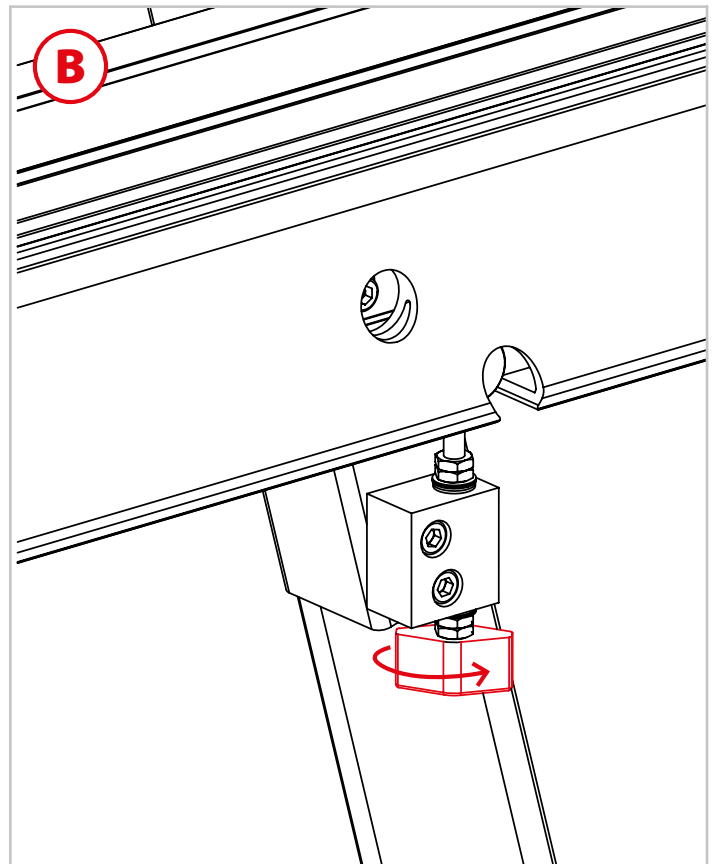
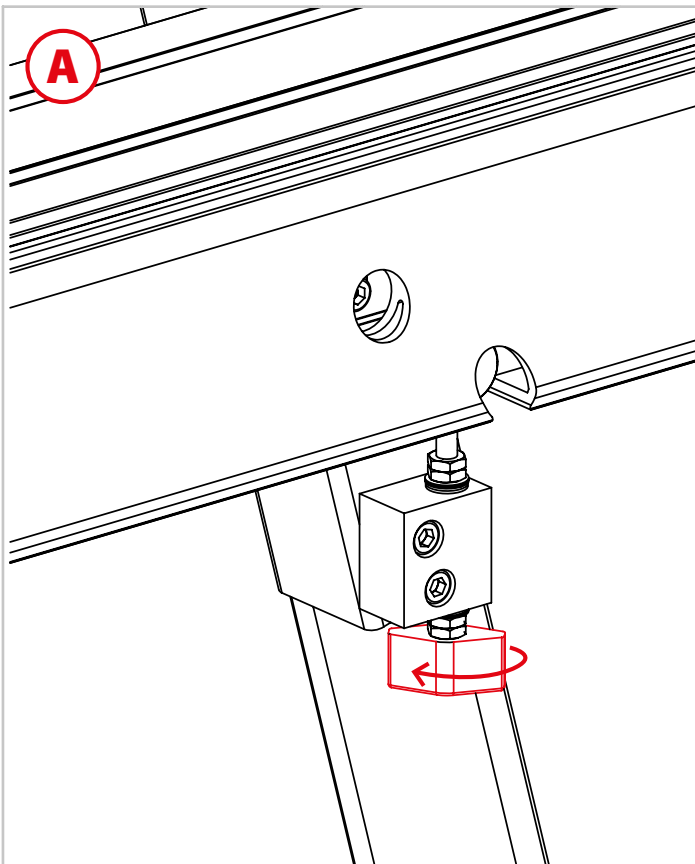
• **If the material was smaller at the top:**

- Lower the cutting head so that it is positioned 1 cm down from the top edge. Make sure that the material is touching the edge of the blade.
- Adjust the horizontal support group by lowering the steel cylinder (turn the adjustment screw counter-clockwise, viewed from above (B)) until the gap between the material and the blade reaches 2 mm (in this example).

4. To verify that the machine is aligned, move the measuring stop 2 cm less (in this case 86 cm) and repeat Step 1, starting at point 4.

5. Keep repeating the above procedure until the machine is aligned.

6. Tighten the screws (1, 2) and the nut (3).



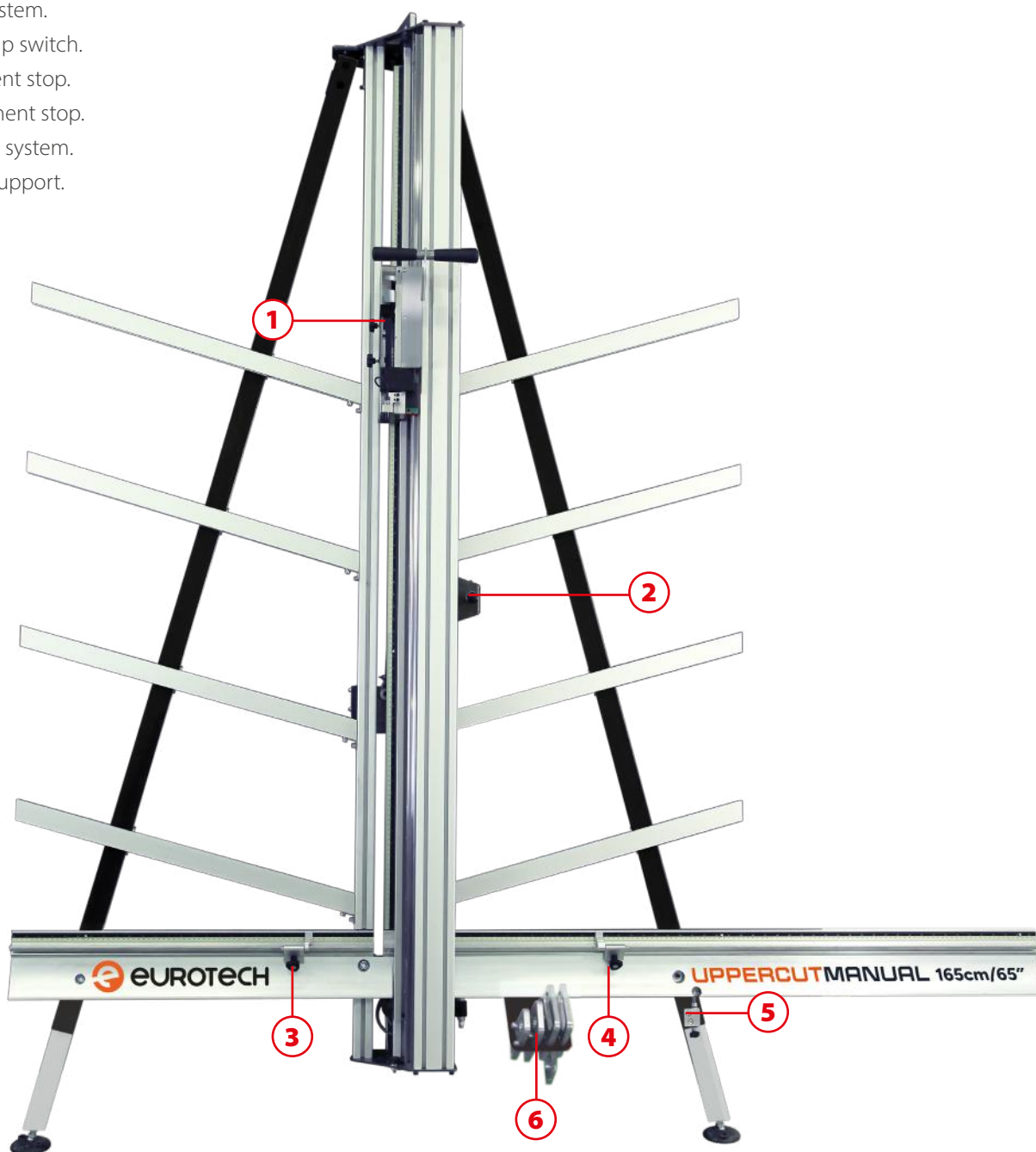
# TECHNICAL DATA

## TECHNICAL CHARACTERISTICS UPPERCUT MANUAL

	<b>UC-210</b> <b>UpperCut Manual 210 cm</b>	<b>UC-250</b> <b>UpperCut Manual 250 cm</b>
<b>Cutting head operation</b>	Manual	Manual
<b>Clam system operation</b>	Pneumatic	Pneumatic
<b>Cutting height</b>	210 cm / 82"	250 cm / 98"
<b>Dimensions A x B x C</b>	268 x 210 x 56 cm 105 x 82 x 22"	310 x 210 x 56 cm 122 x 82 x 22"
<b>Weight</b>	84 Kg / 185 lb	102 kg / 224 lb
<b>Packing dimensions</b>	278 x 49 x 46 cm	331 x 49 x 46 cm
<b>Packing weight</b>	114 Kg 126 Kg (with free standing)	130 Kg 144 Kg (with free standing)

## CONTROL DEVICES UPPERCUT MANUAL

1. Cutting head system.
2. Pneumatic clamp switch.
3. Left measurement stop.
4. Right measurement stop.
5. Adjusting screw system.
6. Cutting heads support.



# TECHNICAL DATA

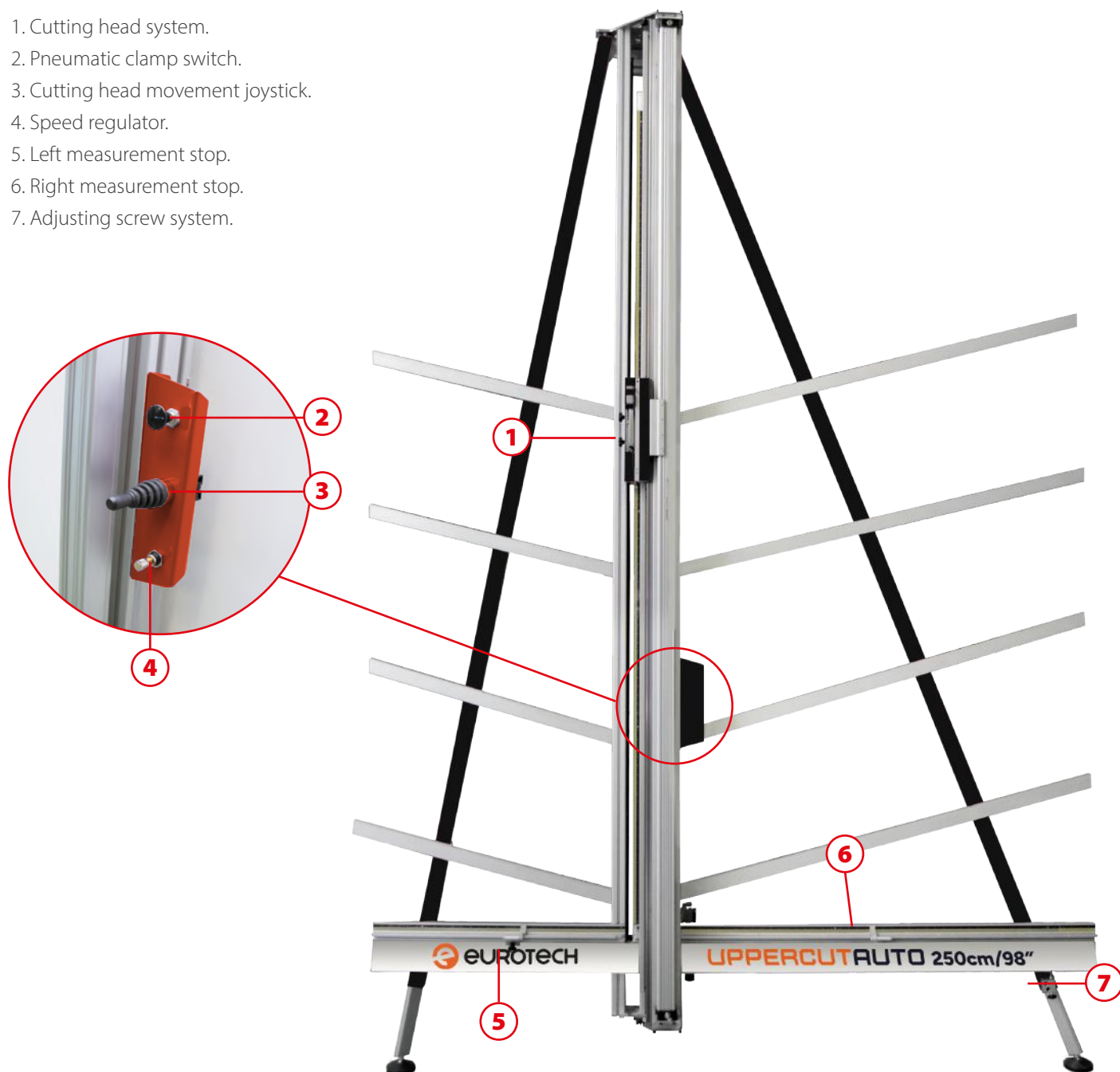
## TECHNICAL CHARACTERISTICS UPPERCUT AUTO

### UC-AUTO-305 UpperCut Auto 305

<b>Cutting head</b>	Pneumatic
<b>Clam system</b>	
<b>Max. cutting height</b>	305 cm / 120 "
<b>Dimensions A x B x C</b>	365 x 210 x 56 cm 143 x 82 x 22 "
<b>Weight</b>	128 Kg / 282 lb
<b>Packing dimensions</b>	410 x 49 x 46 cm
<b>Packing weight</b>	182 Kg 198 Kg (+ free standing)

## CONTROL DEVICES UPPERCUT AUTO

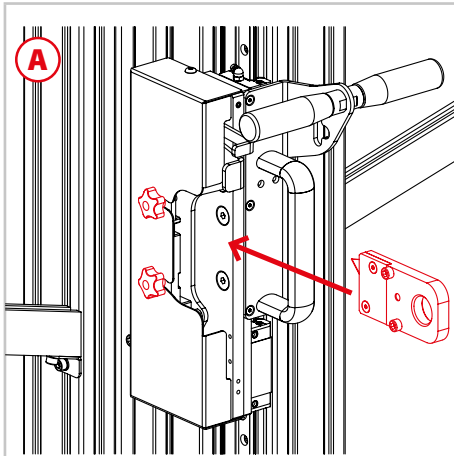
1. Cutting head system.
2. Pneumatic clamp switch.
3. Cutting head movement joystick.
4. Speed regulator.
5. Left measurement stop.
6. Right measurement stop.
7. Adjusting screw system.



# USES OF THE UPPERCUT

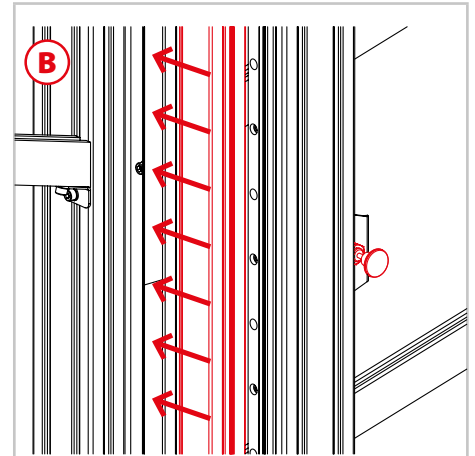
## CUTTING WITH THE UPPERCUT MANUAL

The UpperCut is a vertical cutter designed to cut rigid and semi-rigid materials using different cutting heads which can be placed into the cutting head holder. Select the cutting head depending on the material that needs to be cut and the operation that needs to be done. Follow the next steps for a proper use of the machine:

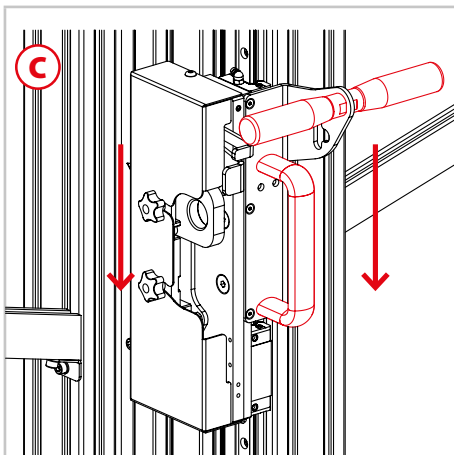


**FIGURE A:** Insert the selected cutting head into the cutting head holder and fix it using the knobs, as it is possible to see in the figure (A).

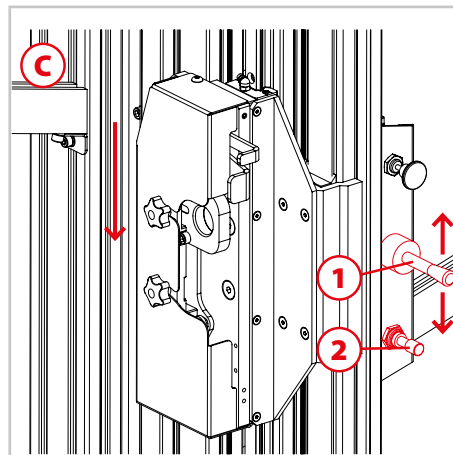
**Note:** Before continuing, be sure that the cutting head is at the upper position. Place the board to be cut into the machine and set up the desired dimension by placing the board against the measurement stop. The board can be fed from the left or right side and both measurement stops can be used.



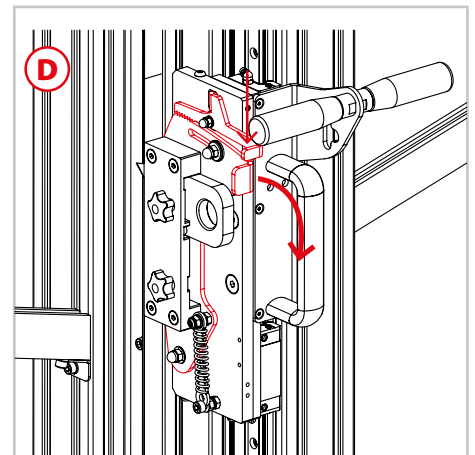
**FIGURE B:** Hold the material with the pneumatic clamp system using the pneumatic switch as shown in the figure.



**FIGURE C: Only UpperCut Manual.** Cut the material by moving the cutting head up/down. The movement can be done through the single handle or the double handle system.



**FIGURE C: Only UpperCut Auto.** Push down the joystick (1) to move the cutting head down and cut the material. The joystick has to be kept pressed during the whole cut. Move the joystick upwards to return the cutting head to the upper position. No need to keep it pressed, it holds by itself. Adjust the cutting speed through the speed regulator (2).



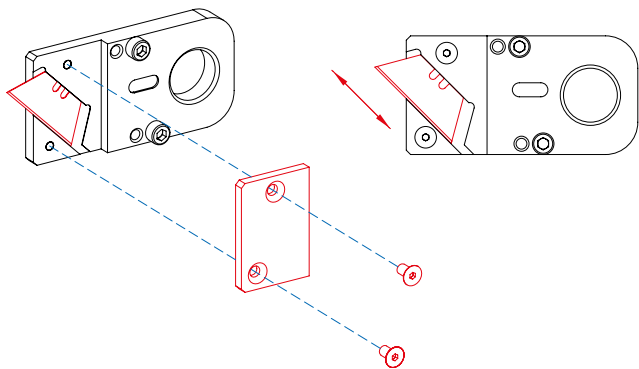
**FIGURE D:** Use the cutting head clamp system (D) if it is required to cut thick and tough materials by doing different passes.

## WHAT MATERIALS DO THE CUTTING HEADS CUT?

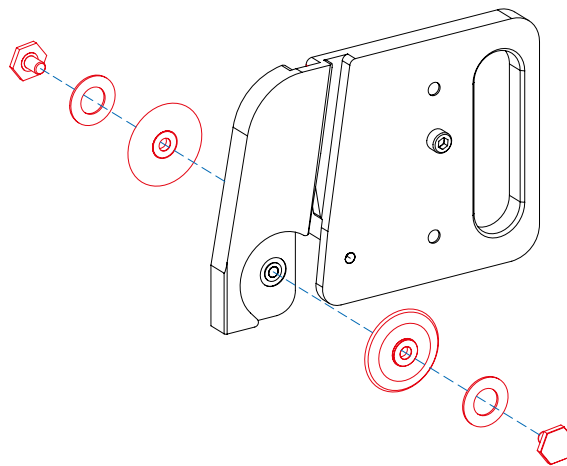
- 1. Semi-rigid cutting head:** Foamboard, cardboard, honeycomb, corrugated plastic, PVC (up to 13 mm).
- 2. Aluminium composite cutting head:** Aluminium composite, MDF/Wood (up to 4 mm / Aluminium sheets up to 1 mm).
- 3. Acrylic cutting head:** Acrylic, Plexiglas® (up to 6 mm).
- 4. Triple blade cutting head:** Foamboard, cardboard, honeycomb (up to 20 mm).
- 5. V-Groove cutting head:** Aluminium composite (up to 4 mm).
- 6. Re-Board V-Groove cutting head:** Cardboard, honeycomb (up to 20 mm).
- 7. Foamboard cutting head:** Foamboard (up to 13 mm).
- 8. Glass cutting head:** glass (up to 6 mm).

# USES OF THE UPPER CUT

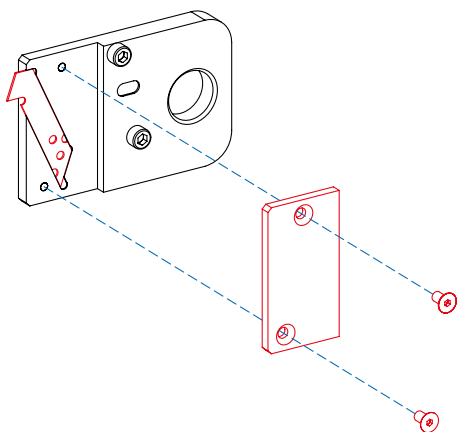
## BLADE REPLACEMENT AND ADJUSTMENT



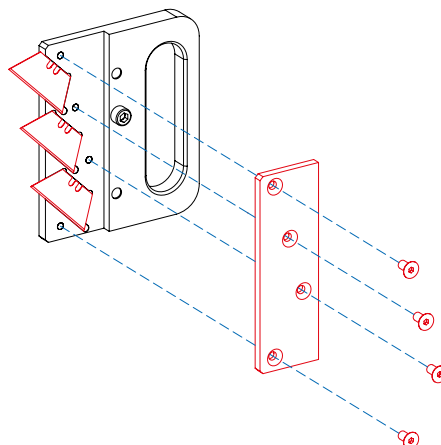
**1. SEMI-RIGIDS CUTTING HEAD:** To replace the blade, remove the two screws and the cover that protects the blade. The blade can be adjusted by sliding it through the cutting head. **Advice:** To cut hard materials place the blade as far as possible into the cutting head, that it comes out enough to cut through the material.



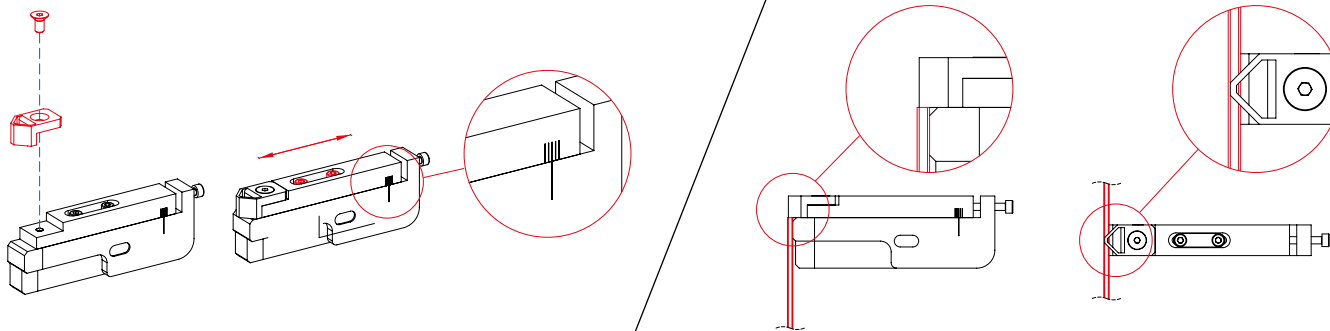
**2. ALUMINIUM COMPOSITE CUTTING HEAD:** To replace the cutting wheels, remove the screw and washer from each side. The cutting wheels are sold together with the bearings.



**3. ACRYLIC CUTTING HEAD:** Remove the two screws and the cover from the acrylic cutting head to replace the blade.



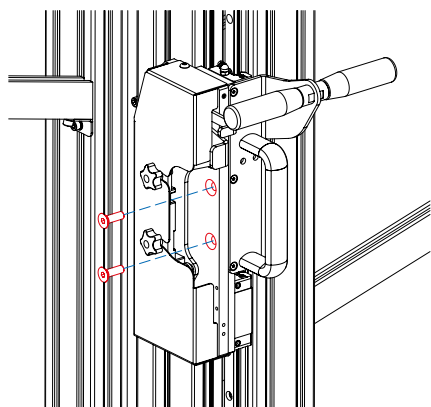
**4. TRIPLE BLADE CUTTING HEAD:** Remove the four screws and the cover from the triple blade cutting head to replace the blades



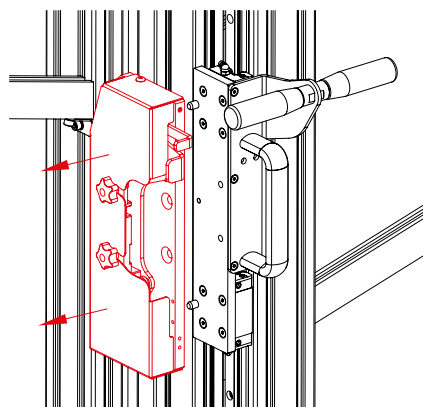
**5. V-GROOVE CUTTING HEAD:** Remove the screw from the top to replace the blade. The blade can be adjusted depending on the thickness of the material. To adjust it loosen the two upper screws and slide the blade holder to the desired position. Use the marks on the side as a reference. To get a good V-Groove cut and avoid a premature wear of the blade it is a key matter to adjust correctly the position of the blade. Once it is adjusted, the blade has to be able to remove one layer of aluminum and the PVC inside, keeping without cutting the second layer of aluminum.

# USES OF THE UPPERCUT

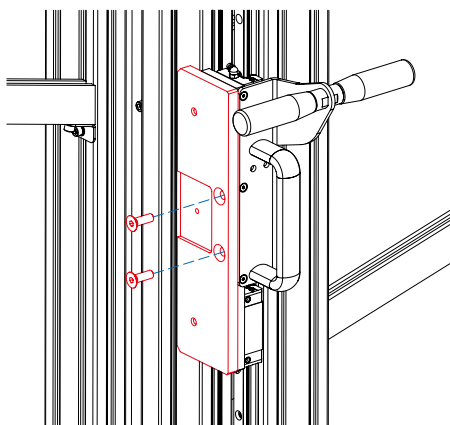
## RE BOARD AND FOAMBOARD V-GROOVE CUTTING HEAD BLADE REPLACEMENT AND ADJUSTMENT



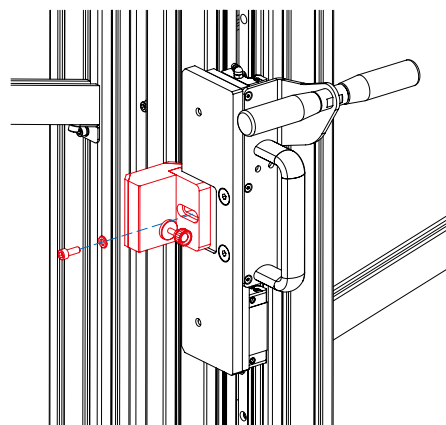
**A.** Remove the two M8x25 countersunk head screws that hold the main set of the cutting heads support.



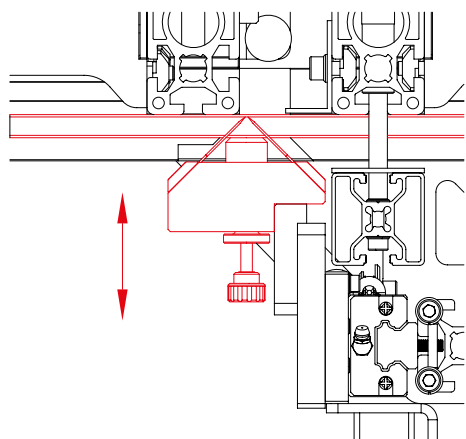
**B.** Remove from the UpperCut the main set of the cutting heads support.



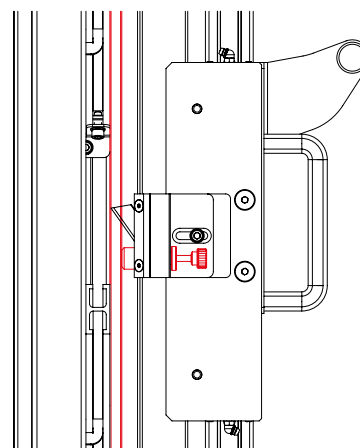
**C.** Insert the V-Groove cutting heads support (ref. 451904) and fix it using the two countersunk head screws removed previously.



**D.** Fit into the slot the required V-Groove cutting head (ref. 451985 or 451986) and place the Allen screw as shown in the figure. Do not tighten completely the screw yet.



**E.** Adjust the V-Groove cutting head to the desired depth and fix it using the Allen screw supplied



**F.** Move the nylon cube forward until is touching the material to guarantee the position during the cut. Fix the cube using the lock knob.

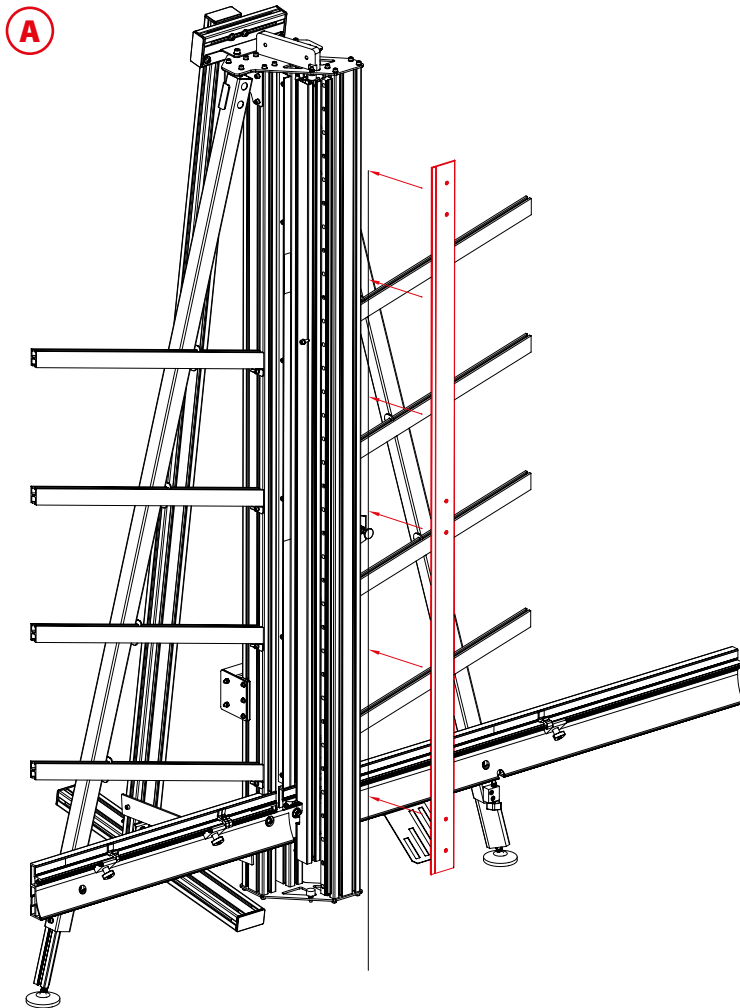
**Advice:** To adjust correctly the V-Groove cutting head, the distance between the sharp end of the blades and the surface where the material is placed has to be approximately the same than the thickness of the side layer of the material that needs to be folded. Be aware that this measurement depends on each material.



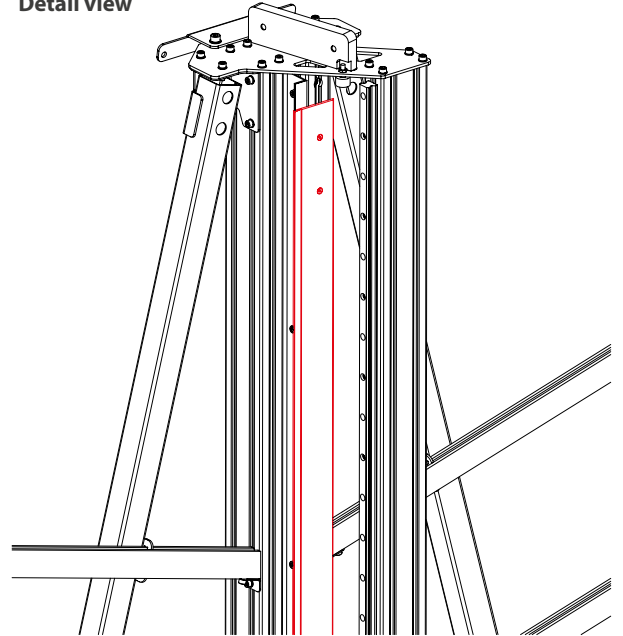
# USES OF THE UPPER CUT

## GLASS CUTTING HEAD BLADE REPLACEMENT AND ADJUSTMENT

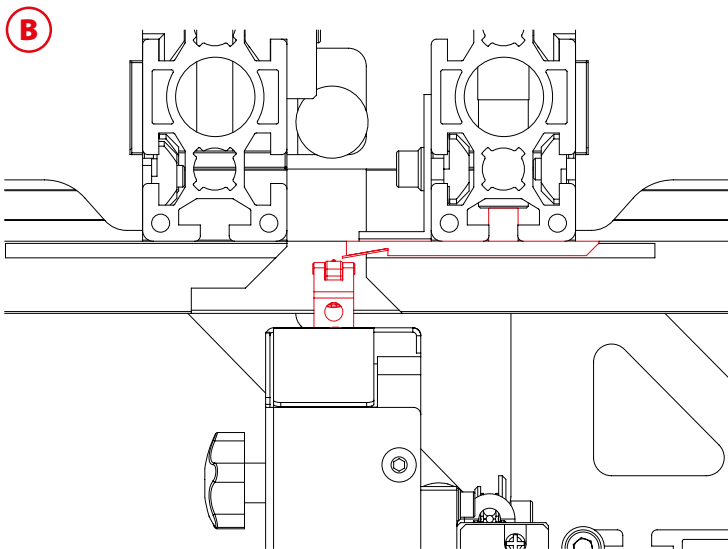
The glass cutting head accessory consists of two parts, the cutting head itself and a wood plate that has to be attached to the machine. The function of this wood plate is to separate the glass from the back at the left side of the cut to be able to snap it once the mark is done.



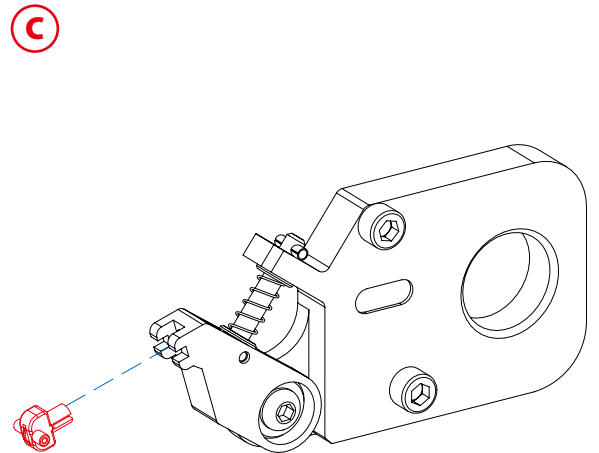
Detail view



To assemble the wood plate the nylon guides on the back of the plate have to fit into the slot located in the front side of the aluminum profile from the structure of the machine, the one from the right. **Figure A.**





Once the glass cutting head is assembled, the cutting wheel will mark the glass just at the side of the edge of the wood plate.



To replace the cutting wheel, push it out and insert with pressure the new one.

# INDICATIONS

## USES NOT ALLOWED

	The cutting heads of the UpperCut must not be used to cut materials not specified in this working guide.
	Don't use corrosive materials like acid or solvent.

## MAINTENANCE AND CONSERVATION

Due to the design of the UpperCut, it only needs for its maintenance cleaning and greasing. It is very important for its well working and durability having always clean and greased the parts that have constant friction, specially the linear guide of the cutting head movement and the nylon guides of the counterbalance.

## SECURITY STANDARDS

The following considerations are security advices that must be applied with accuracy:

- ✓ The machine has to be mounted in an adequate space with enough lighting and ventilation, on a flat floor.
- ✓ The machine has to be properly fixed to the wall or to the free standing accessory.

### Before putting the machine on, check that:

- ✓ The machine is on a flat floor and has stability.
- ✓ The area around the machine is enough for the work to execute.
- ✓ The working area is well lighted.

### During the use:

- ✓ Don't get distracted.
- ✓ Don't be closed to the mobile parts of the machine while it is working.
- ✓ Use the tools shown in this manual.
- ✓ Proceed to the controls, regulations and maintenance said in this manual.
- ✓ Keep this working guide in an accessible and adequate place.

## SECURITY SIGNS AND VOCABULARY



PAY ATTENTION



READ THIS MANUAL



GENERAL OBLIGATION



USE PROTECTION GLOVES



PROHIBITION

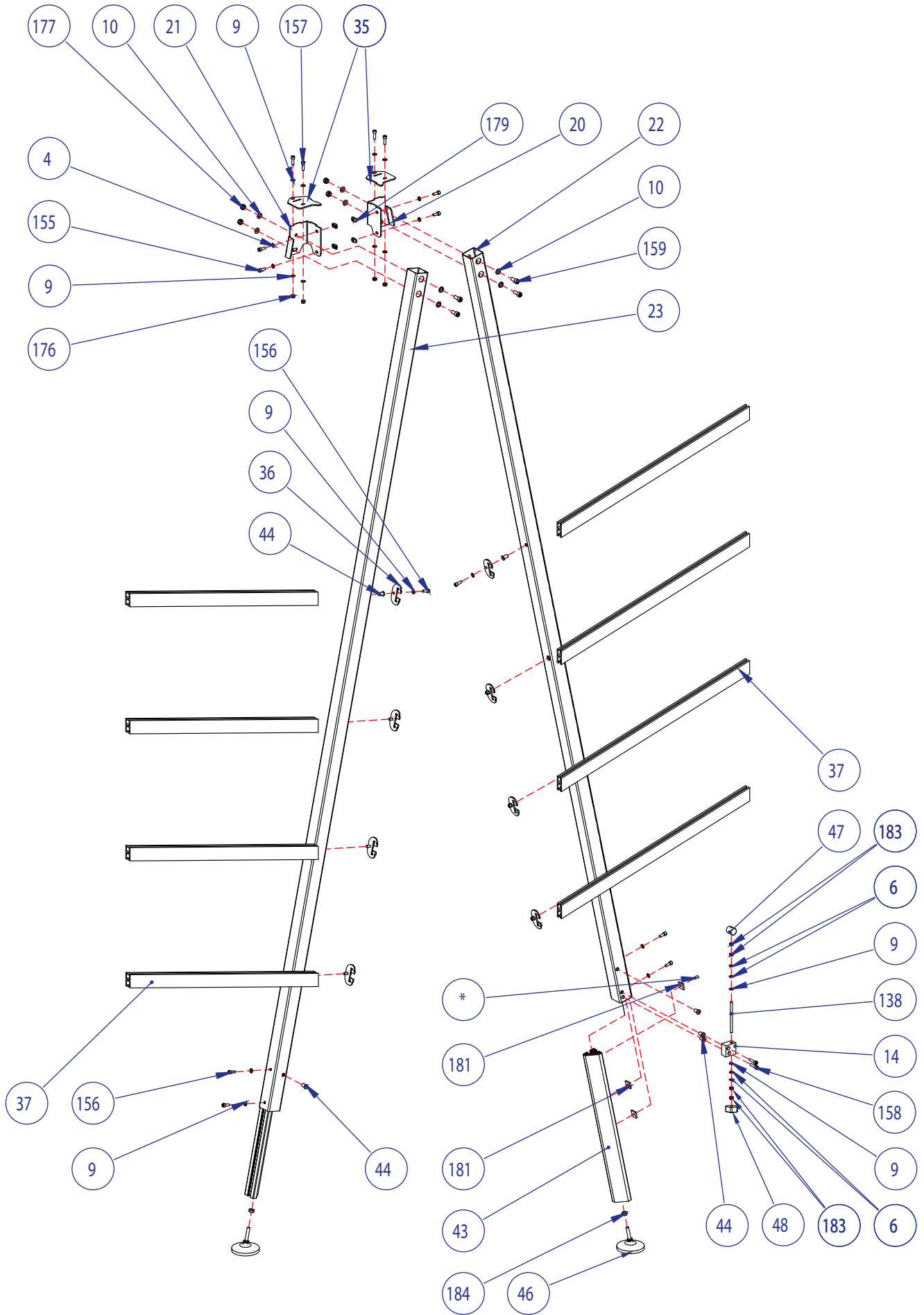


GENERIC DANGER

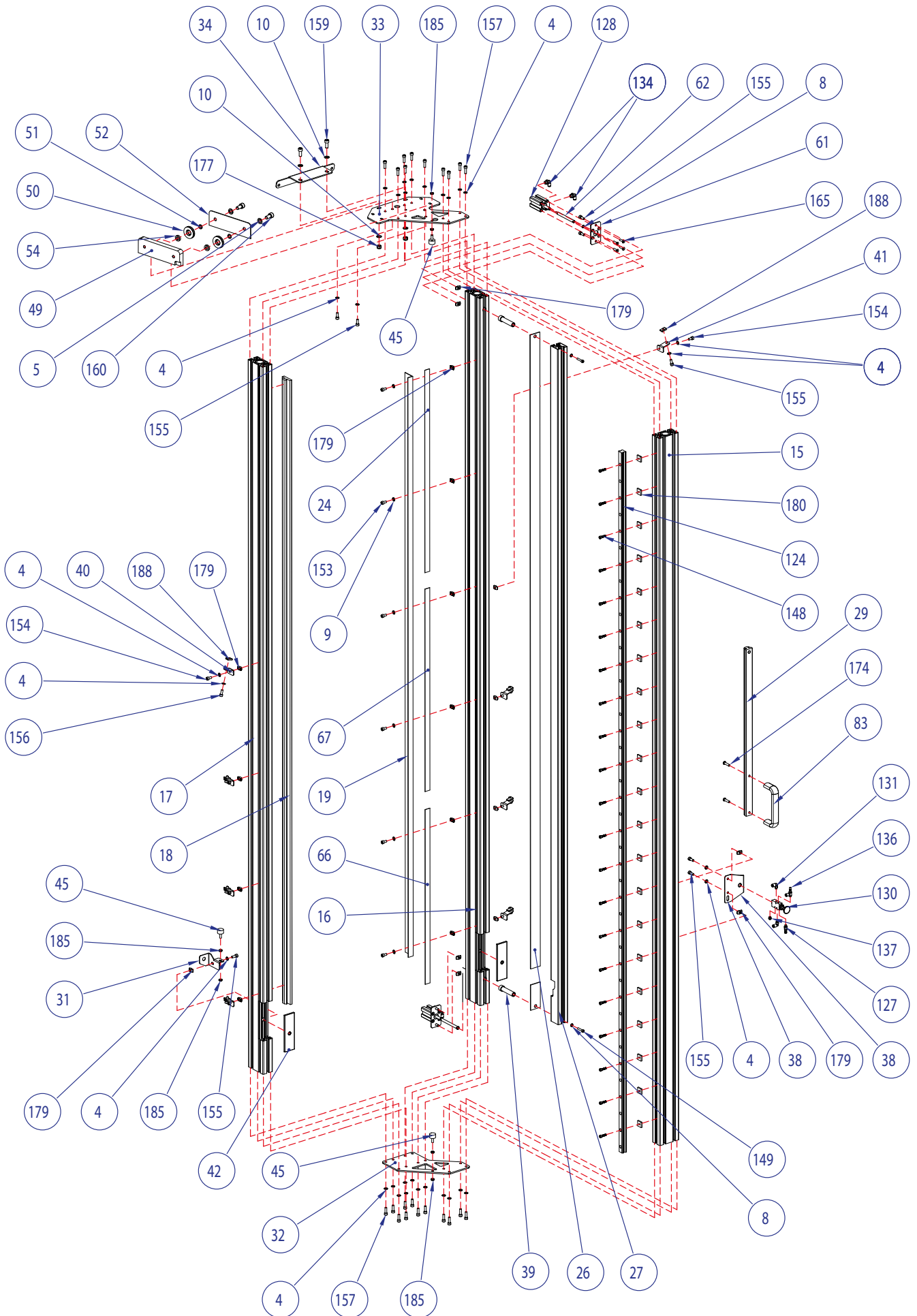


CUT DANGER

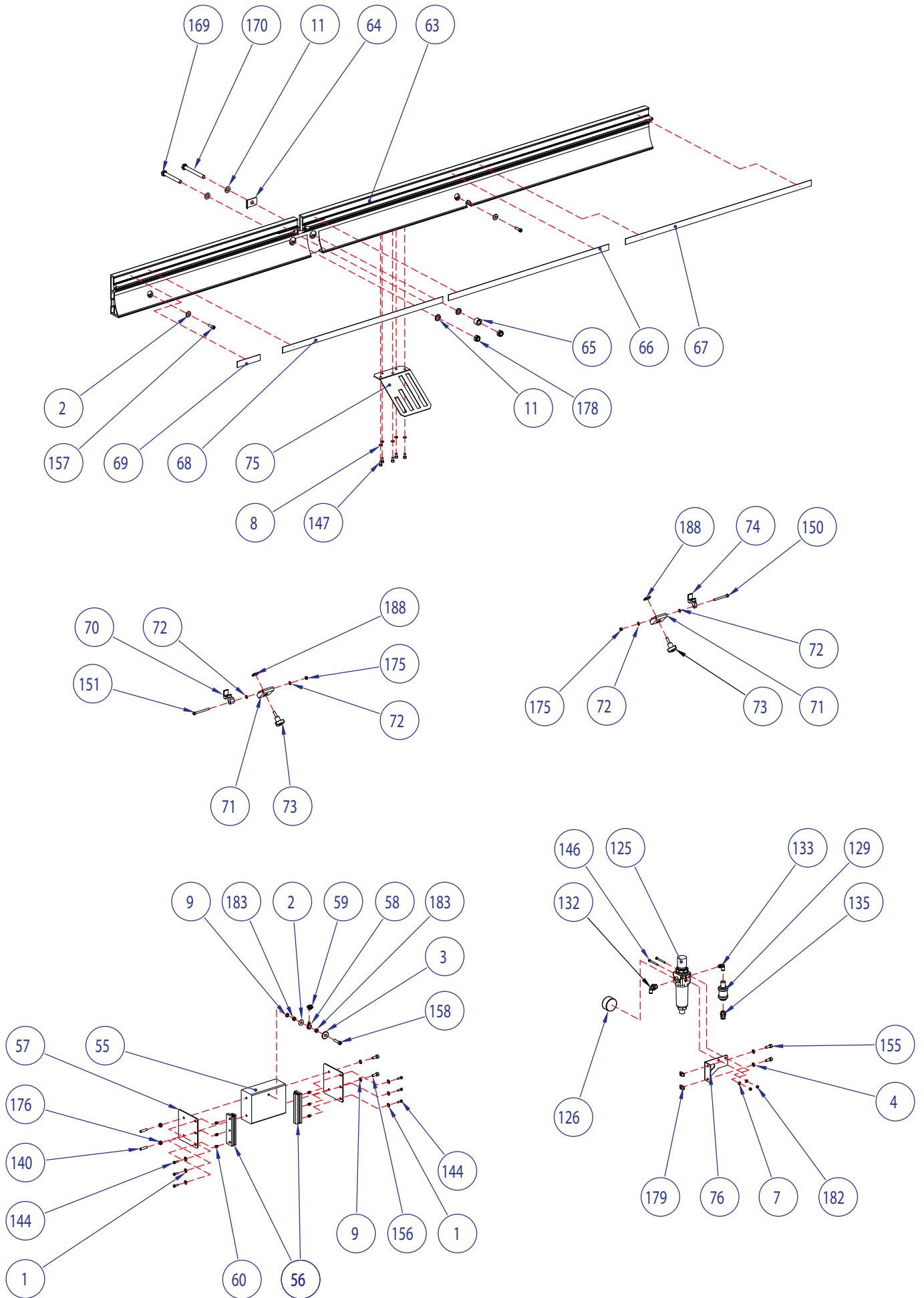
# SPARE PARTS UPPERCUT



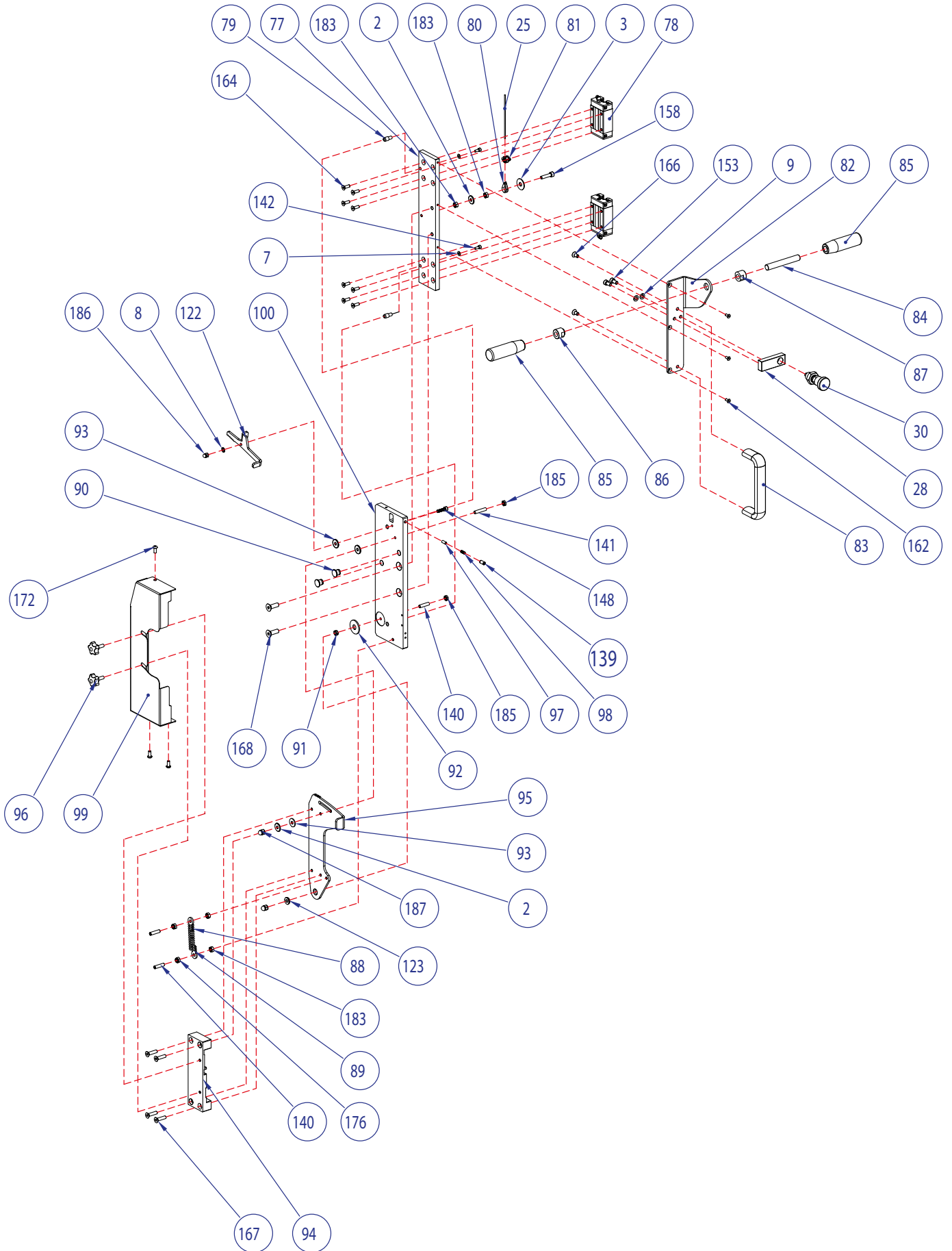
# SPARE PARTS UPPER CUT



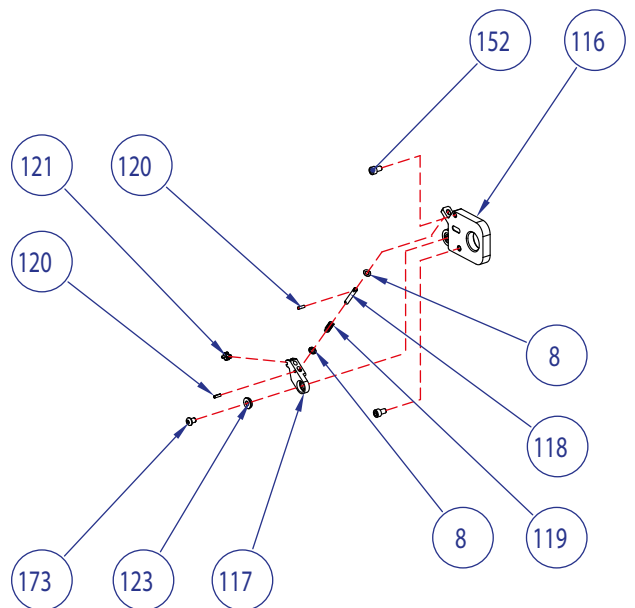
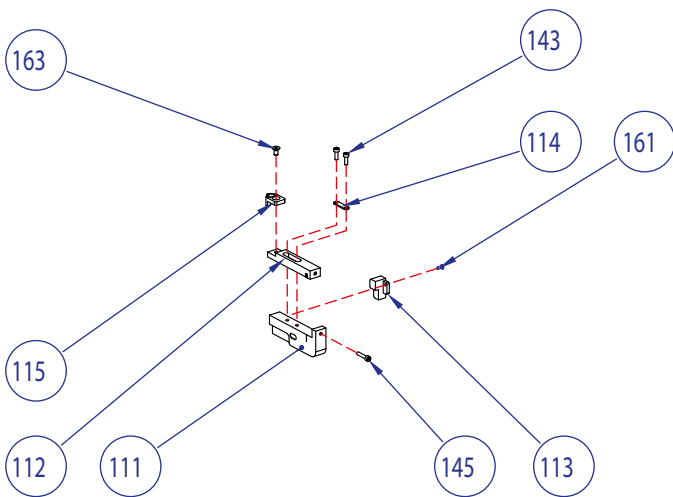
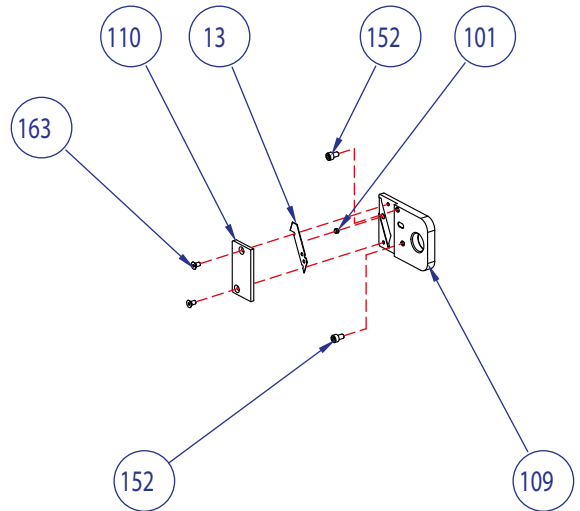
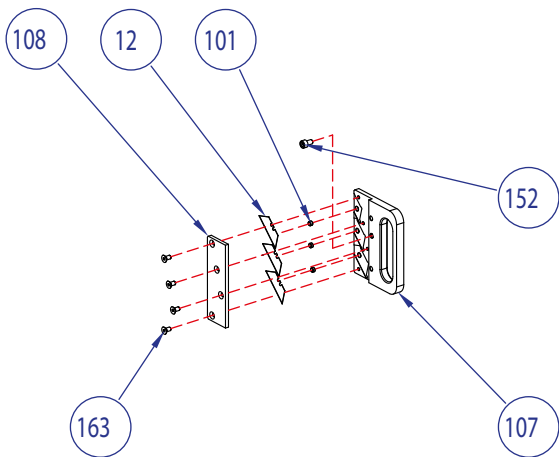
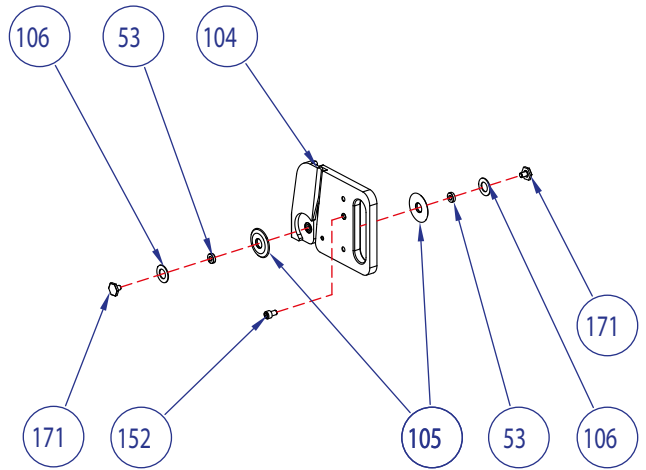
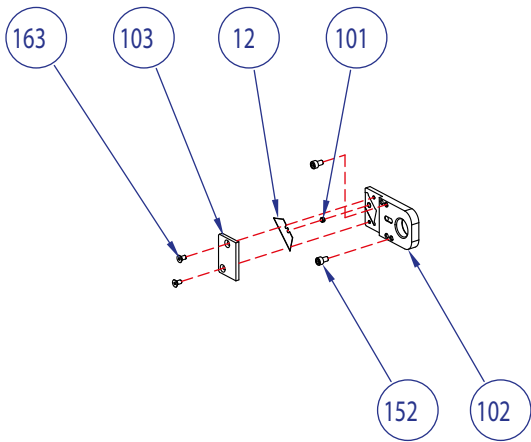
# SPARE PARTS UPPER CUT



# SPARE PARTS UPPERCUT



# SPARE PARTS UPPERCUT



# SPARE PARTS LIST UPPER CUT

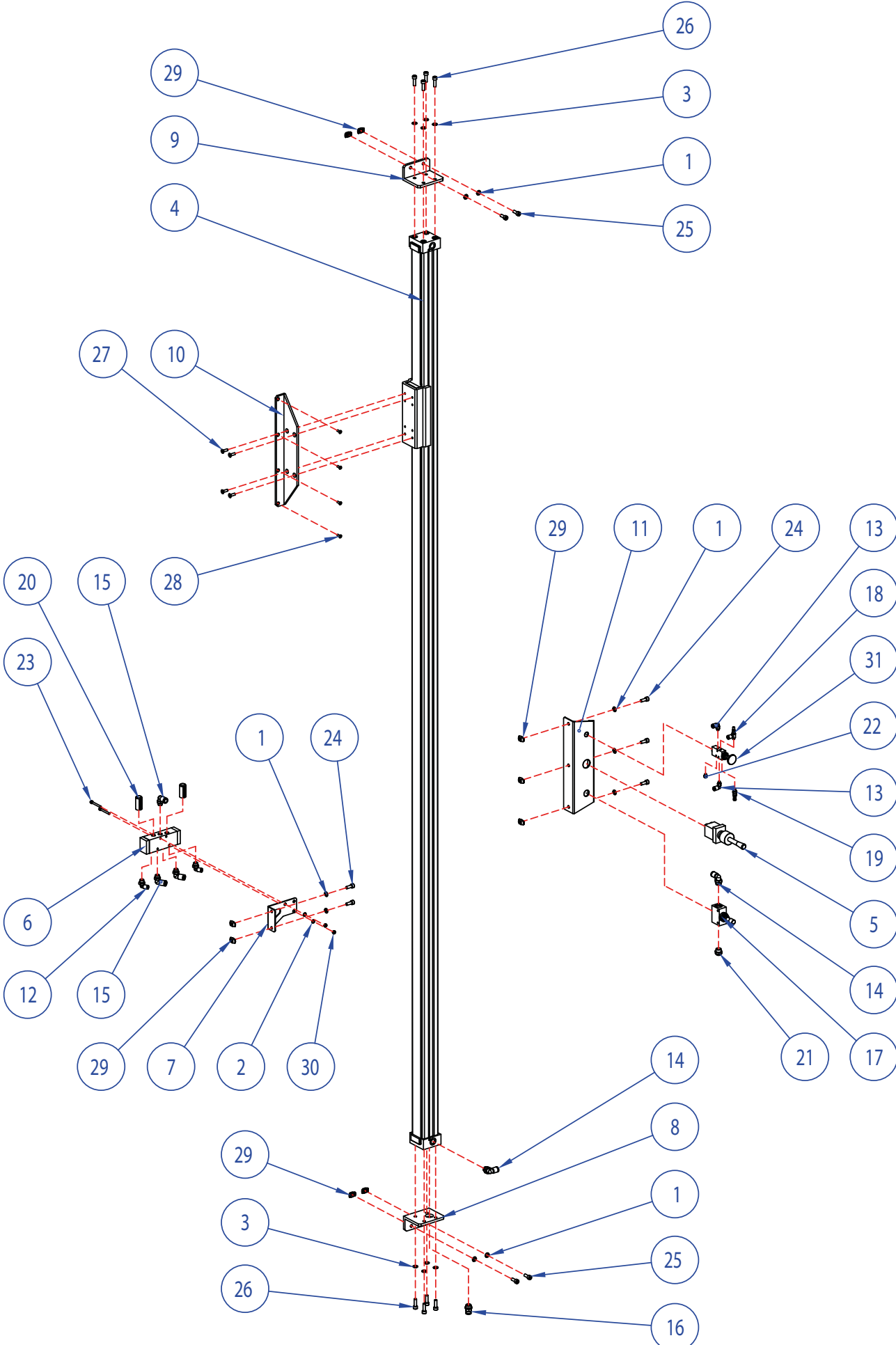
No.	Description	Ref.	No.	Description	Ref.	No.	Description	Ref.
1	Plain Washer 3 Nominal M4 (DIN 9021).....	440521	34	Wall holding plate .....	451859	89	Mobile head holder spring .....	451874
2	Plain Washer 3 Nominal M6 (DIN 9021).....	440523	35	Leg rotation reinforcement sheet.....	451858	90	Nylon stop.....	451838
3	Plain Washer 3 Nominal M8 (DIN 9021).....	440524	36	Holding plate .....	451861	91	Spacer shell .....	451814
4	Grower Washer M6 (DIN 127B).....	440541	37	Panel support H 40x20.....	451834	92	Nylon Washer DIN9021 M10.....	440542
5	Grower Washer M10 (DIN 127B).....	440538	38	Push button support plate .....	451855	93	Nylon Washer DIN9021 M7 .....	440543
6	Spring washer DIN2093 B Ø6.....	440545	39	Cylinder rod guide.....	451808	94	Mobile head holder cover.....	451845
7	Plain Washer M4 (DIN 125-1A) .....	440501	40	Holding angle left .....	451853	95	Mobile head holder base.....	451866
8	Plain Washer M5 (DIN 125-1A) .....	440502	41	Holding angle right .....	451852	96	Male handle M6 .....	450112
9	Plain Washer M6 (DIN 125-1A) .....	440503	42	Crossbar profile spacer.....	451831	97	Push bolt .....	451811
10	Plain Washer M8 (DIN 125-1A) .....	440504	43	Leg supplement 40x40x500.....	451824	98	Push spring .....	451873
11	Plain Washer M10 (DIN 125-1A) .....	440505	44	Riveting nut M6.....	440453	99	Cutting rail protection plate .....	451848
12	Trapezoid blade.....	130130	45	Silent Block .....	450491	100	Removable cutting rail plate .....	451832
13	Acrylic scoring blade .....	130125	46	Adjustable foot M8x40 Diámetro 80.....	450160	101	Adjustable magnet .....	161330
14	Crossbar regulation cube IN165 .....	451817	47	Crossbar adjustment stop cylinder.....	451822	102	Simple blade head .....	451844
	Crossbar regulation cube IN210 .....	451881	48	Plastic butterfly nut R1523-6.....	450107	103	Simple blade cutting head cover .....	451843
	Crossbar regulation cube IN250 .....	451931	49	Pulleys holding base.....	451812	104	Circular blade cutting head plate .....	451841
15	Front column 40x80x2100 IN165 .....	451821	50	Counterweight pulley.....	451826	105	Circular Blade.....	130173
	Front column 40x80x2550 IN210 .....	451884	51	Pulley washer .....	451813	106	Blade reinforcement washer .....	451891
	Front column 80x80x2950 IN250 .....	451920	52	Pulleys set cover .....	451856	107	Triple blade head .....	451839
16	Guide back column 40x80x2100 IN165.....	451820	53	Mini bearing Ø6 686A .....	450483	108	Triple blade cutting head cover .....	451840
	Guide back column 40x80x2550 IN210.....	451885	54	Bearing 61800 2RS.....	450478	109	Acrylic blade head .....	451837
	Guide back column 40x80x2950 IN250.....	451921	55	Counterweight.....	451818	110	Acrylic blade head cover .....	451823
17	Back column 40x80x2100 IN165 .....	451819	56	Counterweight nylon guide .....	451829	111	V-Groove head base .....	451847
	Back column 40x80x2550 IN211 .....	451886	57	Counterweight joint plaque .....	451865	112	V-Groove head slide .....	451842
	Back column 40x80x2950 IN251 .....	451922	58	Thimble 813003 .....	450427	113	V-Groove head nylon stop .....	451846
18	Reinforcement sliding profile 40x1890 IN165 .....	451879	59	Cable holder 3 mm .....	450417	114	V-Groove head double washer.....	451849
	Reinforcement sliding profile 40x2250 IN210.....	451880	60	Plastic insert M4 .....	440452	115	V-Groove Blade.....	130171
	Reinforcement sliding profile 40x2650 IN250.....	451929	61	Cylinder holding plate .....	451860	116	Glass scoring head plate .....	451901
19	Tape support angle 40x20x2x1809 IN165.....	451833	62	Cylinder extension axle Ø8x97,7 .....	451830	117	Wheel support arm .....	451895
	Tape support angle 40x20x2x2090 IN210.....	451887	63	Crossbar profile IN165&IN210.....	451835	118	Head spring guide axle Ø5x34.5 .....	451894
	Tape support angle 40x20x2x2490 IN250.....	451923		Crossbar profile IN250 .....	451927	119	Glass head compression spring 1x7.6x28 .....	451703
20	Right leg support plate IN165.....	451863	64	Crossbar clamp .....	451851	120	Elastic bolt Ø3x10 mm .....	440610
	Right leg support plate IN210.....	451871	65	Nut spacer shell .....	451810	121	Glass cutting wheel .....	140743
	Right leg support plate IN250.....	451937	66	Millimetric adhesive tape 0-63 cm right .....	450435	122	Mobile head holder stop .....	451870
21	Left leg support plate IN165.....	451864	67	Millimetric adhesive tape 63-126 cm right.....	450432	123	Mini bearing Ø6 with flange F686 .....	450484
	Left leg support plate IN210.....	451872	68	Millimetric adhesive tape 0-63 cm left.....	450433	124	Rail IN165 L=2075mm.....	450801
	Left leg support plate IN250.....	451938	69	Millimetric adhesive tape 63-126 cm left .....	450436		Rail IN210 L=2525mm.....	450802
22	Right leg tube 45x45x2100 IN165.....	451807	70	Stop handle - right .....	451875		Rail IN250 L=2925mm.....	450814
	Right leg tube 45x45x2536 IN210.....	451889	71	Stop support .....	451825	125	Regulator filter 1/4".....	314504
	Right leg tube 45x45x3090 IN250.....	451925	72	Nylon washer DIN125 M5 .....	440544	126	Manometer .....	314506
23	Left leg tube 45x45x2100 IN165.....	451806	73	Fixing command measurement piece M6x20.....	450120	127	Leak regulator M5.....	314536
	Left leg tube 45x45x2536 IN210.....	451890	74	Stop handle - left.....	451876	128	Presser cylinder.....	314550
	Left leg tube 45x45x2928 IN250.....	451926	75	Heads support .....	451857	129	Sliding valve 1/4"H-H.....	310305
24	Millimetric adhesive tape 126-186 cm right.....	450438	76	Filter set holding plate.....	451854	130	Clamping valve .....	314551
25	Cable, 2.5 mm Ø - 1 meter.....	450418	77	Fix cutting rail plate .....	451827	131	Elbow connector M5 - 4mm.....	314511
26	Adhesive silicone strip 60° 5M.....	030011	78	Rail HGH20CA .....	450803	132	Elbow connector 1/4" - M5.....	314540
27	Clamping profile 40x40x1985 IN165.....	451828	79	Centralizer.....	451809	133	Elbow connector 1/4" - 1/4" metal.....	314515
	Clamping profile 40x40x2435 IN211.....	451888	80	Galvanized Thimble 3mm .....	450451	134	Elbow connector 1/8" - 4mm plastic.....	314553
	Clamping profile 40x40x2835 IN251.....	451924	81	Inox Cable holder 2mm .....	450452	135	Straight connector 1/4" - 8mm plastic.....	314554
28	Positioner support .....	451877	82	Rail handles holding plate .....	451868	136	Pressure regulator connector M5 - 4mm.....	314510
29	Extension sliding profile 40x600 IN210.....	451878	83	Head rail handle .....	450103	137	Silent M5 metal .....	314508
	Extension sliding profile 40x950 IN250.....	451930	84	Handle stud M12 .....	451815	138	Crossbar regulator Stud M6.....	451816
30	Spring positioner D8.....	450149	85	Handle M12 .....	450104	139	Allen stud bolt M6x12 DIN 913 ST.....	440624
31	Crossbar clamp with stop.....	451850	86	Left handle shell .....	451804	140	Allen stud bolt M6x25 DIN 913 ST.....	440623
32	Columns union bottom plate .....	451867	87	Right handle shell.....	451805	141	Allen stud bolt M6x30 DIN 913 ST.....	440625
33	Columns union top plate .....	451869	88	Spring head holding plate.....	451862	142	Allen head screw M4 x 10 (DIN 912).....	440112



# SPARE PARTS LIST UPPER CUT

No.	Description	Ref.
143	Allen head screw M4 x 12 (DIN 912).....	440113
144	Allen head screw M4 x 12 C (DIN 912).....	440903
145	Allen head screw M4 x 20 (DIN 912).....	440116
146	Allen head screw M4 x 40 (DIN 912).....	440197
147	Allen head screw M5 x 10 (DIN 912).....	440124
148	Allen head screw M5 x 20 (DIN 912).....	440128
149	Allen head screw M5 x 25 (DIN 912).....	440129
150	Allen head screw M5 x 50 C (DIN 912).....	441004
151	Allen head screw M5 x 55 C (DIN 912).....	441003
152	Allen head screw M6 x 10 C (DIN 912).....	440904
153	Allen head screw M6 x 12 (DIN 912).....	440137
154	Allen head screw M6 x 12 C (DIN 912).....	441002
155	Allen head screw M6 x 16 (DIN 912).....	440138
156	Allen head screw M6 x 16 C (DIN 912).....	441005
157	Allen head screw M6 x 20 (DIN 912).....	440140
158	Allen head screw M6 x 25 (DIN 912).....	440141
159	Allen head screw M8 x 20 (DIN 912).....	440155
160	Allen head screw M10 x 20 (DIN 912).....	440168
161	Countersunk head screw M3 x 8 (DIN 7991).....	440201
162	Countersunk head screw M4 x 10 C (DIN 7991).....	440245
163	Countersunk head screw M5 x 10 C (DIN 7991).....	440246
164	Countersunk head screw M5 x 16 (DIN 7991).....	440216
165	Countersunk head screw M5 x 20 (DIN 7991).....	440217
166	Countersunk head screw M6 x 12 (DIN 7991).....	440221
167	Countersunk head screw M6 x 25 C (DIN 7991).....	440224
168	Countersunk head screw M8 x 25 C (DIN 7991).....	440264
169	Hexagon screw M10 x 80 x 26 C (DIN 931).....	440730
170	Hexagon screw M10 x 95 x 26 C (DIN 931).....	440728
171	Mechanized hexagonal screw.....	451892
172	Round head screw M5 x 12 (ISO 7380).....	440316
173	Round head screw M6 x 8 (ISO 7380).....	440729
174	Round head screw M6 x 25 (ISO 7380).....	440323
175	Prevailing torque hexagon nut M5 (DIN 985).....	440442
176	Prevailing torque hexagon nut M6 (DIN 985).....	440443
177	Prevailing torque hexagon nut M8 (DIN 985).....	440444
178	Prevailing torque hexagon nut M10 (DIN 985).....	440445
179	T-Nut M6.....	450320
180	Insertion Nut M5 R8.....	450809
181	Insertion Nut M6 R8.....	450355
182	Hexagon Nut M4 (DIN 934).....	440411
183	Hexagon Nut M6 (DIN 934).....	440413
184	Hexagon Nut M8 (DIN 934).....	440414
185	Hexagon Thin Nut M6 C (DIN 439B).....	440405
186	Cap nut M5 (DIN 1587).....	440455
187	Cap nut M6 (DIN 1587).....	440454
188	Reduced Nut 19x13x4xM6.....	450351

# SPARE PARTS UPPERCUT AUTO



# SPARE PARTS LIST UPPERCUT AUTO

No.	Description	Ref.
1	Grower Washer M6 (DIN 127B).....	440541
2	Plain Washer M4 (DIN 125-1A) .....	440501
3	Plain Washer M6 (DIN 125-1A) .....	440503
4	Rodless cylinder stroke 1765 mm InBlade 165 .....	314560
	Rodless cylinder stroke 2215 mm InBlade 210 .....	314561
	Rodless cylinder stroke 2615 mm InBlade 250 .....	314562
	Rodless cylinder stroke 3165 mm InBlade 305 .....	314563
5	Blade movement control.....	314532
6	Pneumatic valve 5-ways .....	314533
7	Filter assembly fixing plate.....	451854
8	Lower mounting angle.....	451944
9	Upper mounting angle.....	451945
10	Cutting head connection angle.....	451946
11	Push button fixing plate.....	451940
12	Elbow connector 1/8" M 4 mm.....	314509
13	Elbow connector M5 - 4 mm.....	314511
14	Elbow connector 1/4" M 8 mm.....	314517
15	Elbow connector 1/8" M 8 mm.....	314512
16	Straight connector 1/4" M 8 mm.....	314516
17	Flow regulator.....	314547
18	Pressure regulator connector M5 - 4mm.....	314510
19	Leak regulator M5.....	314536
20	Silencer 1/8" .....	314513
21	Metal silencer 1/4" .....	031221
22	Metal silencer M5.....	314508
23	Allen head screw M4 x 35 (DIN 912).....	440119
24	Allen head screw M6 x 16 (DIN 912).....	440138
25	Allen head screw M6 x 16 C (DIN 912).....	441005
26	Allen head screw M6 x 20 (DIN 912).....	440140
27	Countersunk head screw M5 x 16 (DIN 7991).....	440216
28	Countersunk head screw M4 x 12 C (DIN 7991).....	440248
29	T-Nut M6.....	450320
30	Hexagon Nut M4 (DIN 934) .....	440411
31	Clamping valve.....	314551

**EUROTECH** reserves the right to carry out modifications and improvements without previous notice. For more information and solution of problems get in touch with our Customer Service Team:  
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