

VERDI basic VERDI twin

Users Manual

72 85 10	CORTADORA VERTICAL VERDI BASIC 122 cm
72 85 15	CORTADORA VERTICAL VERDI BASIC 157 cm
72 85 50	CORTADORA VERTICAL VERDI TWIN 122 cm
72 85 51	CORTADORA VERTICAL VERDI TWIN 157 cm





For sales, service and spare parts

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INTRODUCTION

INGLET, SLU 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 **INGLET, SLU** 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:

INDEX

Introduction	3
General information	4 - 5
• Machine identification	
• Size, weight and package sizes	
• How to proceed with transport damages	
• Unpacking Instructions	
• List of parts	
• Accessories provided	
Assembly instructions	6 - 8
Technical data	9
• Technical characteristics	
• Control device	
Accessories	10
• Pneumatic cutter accessory for Verdi BASIC	
• Intec 2hp dust collector	
• Arm extension 1m	
• Laser for Verdi	
Indications	11
• Uses not allowed	
• Security standards	
• Maintenance and conservation	
• Security signs and vocabulary	
Uses of certical saw	12 - 14
• Cutting whit the saw blade	
• Cutting whit the pneumatic cutter	
• Pressure ajustement	
• Installing the laser	
• Blade replacement	
• Cutting head replacement	
Cutting saw replacement	15
Spare parts Verdi BASIC	16 -21
Spare parts list Verdi BASIC	22
Spare parts Pneumatic Cutter	23 - 24
Spare parts list Pneumatic Cutter	25

GENERAL INFORMATION

MACHINE IDENTIFICATION

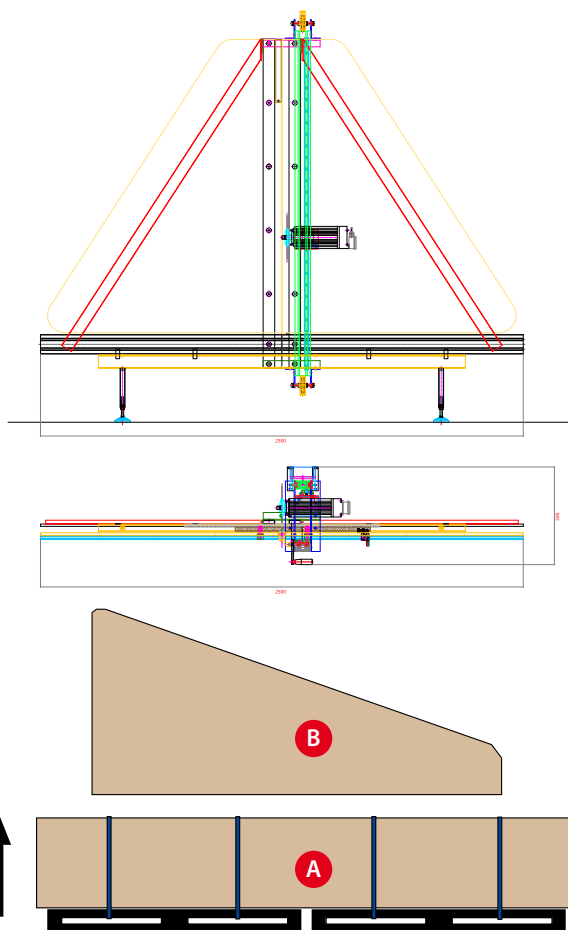
This machine comes with a dataplate with the following information:

CE Marking
Name and address of the manufacturer
Designation of the machine (Model)
Serial number
Tension
Hz
Kw
Weight (kg)
RPM
Year of construction
Saw blade Outside Diameter
Saw blade Inside Diameter

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

 INGLET, SL Suministros para la enmarcación Avda. Cervera, 21 25300 TÀRREGA (LLEIDA) España Tel. 973 31 23 12 Fax 973 31 07 55 inglet@inglet.com	Modelo	728530				
	Nº de serie	XXXXX				
	Tensión	220/230	Hz	50	Kw	1,1
	Peso Kg	150	Rpm	3000	Año	XXXX
	øExt. Sierra	250	mm	øInt. Sierra	30	mm

SIZE, WEIGHT AND PACKAGE SIZES



DIMENSIONS OF THE MACHINE:

728510 Basic 122	212 x 250 x 50 cm
728515 Basic 157	242 x 250 x 50 cm
728550 Twin 122	212 x 250 x 50 cm
728551 Twin 157	242 x 250 x 50 cm

DIMENSIONS OF THE PACKAGING:

728510 Basic 122	A.....260 x 70 x 62 cm	B.....161 x 131 x 13 cm
728515 Basic 157	A.....260 x 70 x 62 cm	B.....195 x 130 x 13 cm
728550 Twin 122	A.....260 x 70 x 62 cm	B.....161 x 131 x 13 cm
	C.....92 x 58 x 58 cm (Dust collector 2 Hp included)	
728551 Twin 157	A.....260 x 70 x 62 cm	B.....195 x 130 x 13 cm
	C.....92 x 58 x 58 cm (Dust collector 2 Hp included)	

MACHINE WEIGHT:

728510 Basic 122	A.....184 Kg	B.....68 Kg
728515 Basic 157	A.....201 Kg	B.....80 Kg
728550 Twin 122	A.....209 Kg	B.....68 Kg
	C.....51 Kg (Dust collector 2 Hp included)	
728551 Twin 157	A.....229 Kg	B.....80 Kg
	C.....51 Kg (Dust collector 2 Hp included)	

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.



VERY IMPORTANT! Please check every parcel for outer damages. If there are any, please ask the truck driver about how to proceed. Contact with your dealer or with INGLET, SLU within the very next hours after the unloading.

GENERAL INFORMATION

UNPACKING INSTRUCTIONS

The machine comes packed in a cardboard box with pallet. It goes with an instructions manual and complementary kit. Use a hand cart, pallet jack, or forklift to move the cage. Follow these steps to unpack the unit:

- A. Cut off the steel holding strings to the cardboard box.
- B. Remove the cover of the cardboard box. **NOTE:** Two people are required to lift the machine, one at each end.
- C. Unscrew and remove the security parts which fix the structure to the cage.
- D. Remove all containing groups and parts. Handle with care.

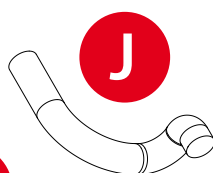
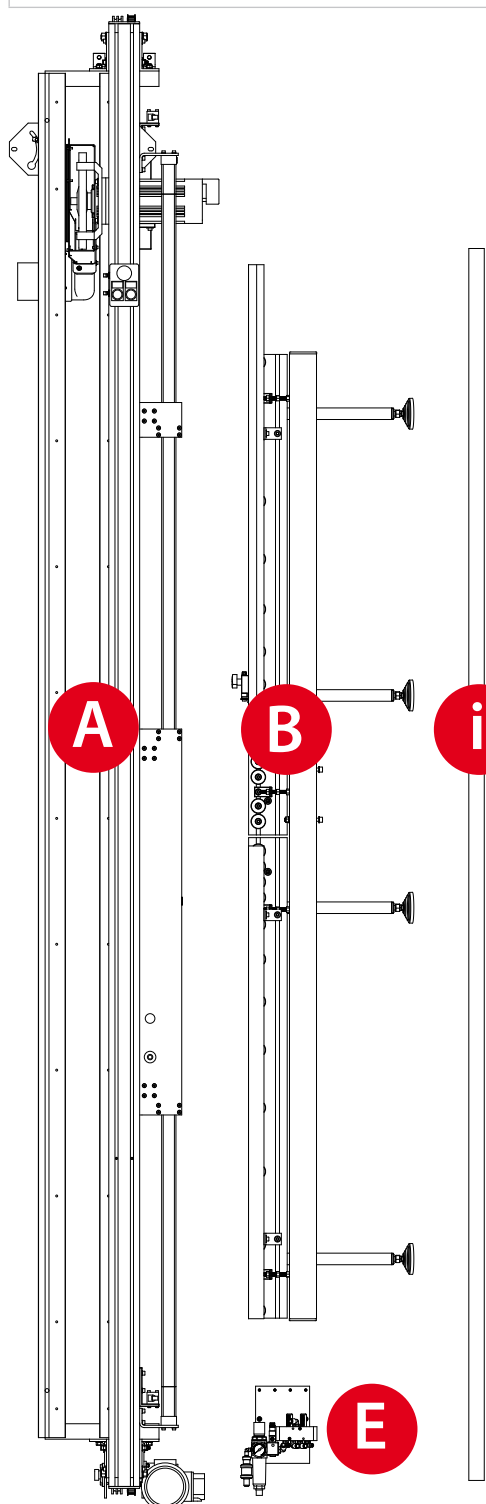
CAUTION: All containing groups and parts into the cage are heavy. Carefully remove them from the cage.

E. Refer to the list of parts and familiarize yourself with all described groups and parts. If you ordered a VERDI TWIN, the pneumatic cutter will come already installed in the part A, but the presser comes alone (see part F).

Read carefully this manual, and see at the instructions to build the machine.

LIST OF PARTS VERDI BASIC-TWIN

- A. Main assembly group with switch controls and pneumatic accessory (Verdi TWIN)
- B. Legs and support group
- C. Right stay
- D. Left stay
- E. Pneumatic equipment (Verdi TWIN)
- i. Presser for pneumatic accessory (Verdi TWIN)
- J. Aspiring connection hose



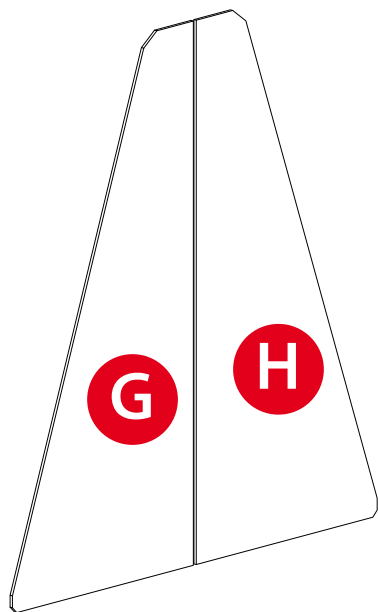
SET OF ACCESSORIES PROVIDED

- 1 Wrench
- 5 Allen keys
- 2 Spacers
- 1 Box of screws
- 1 Pipe clamp

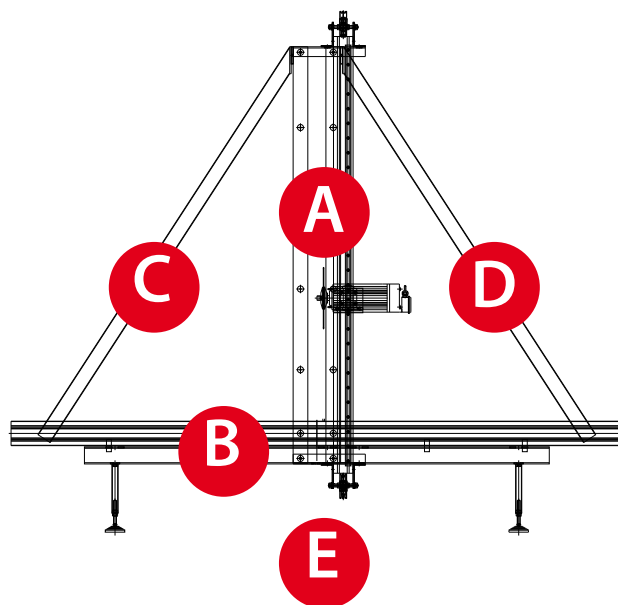


ASSEMBLY INSTRUCTIONS

1



2



3



Spread A piece on the floor.

4



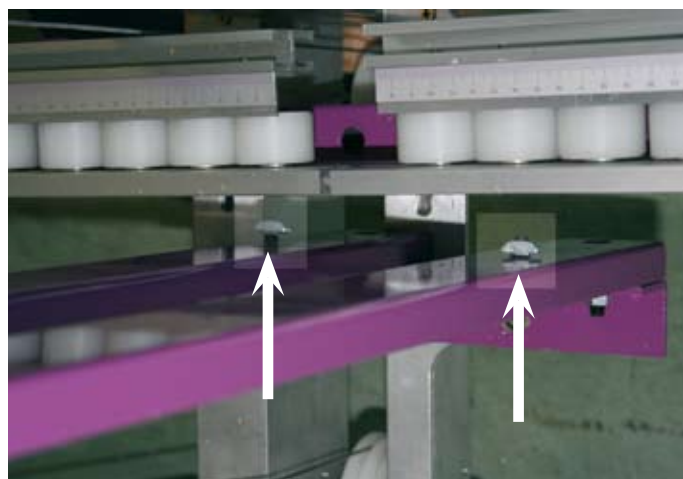
Place B piece through A piece.

5



Show A and B pieces.

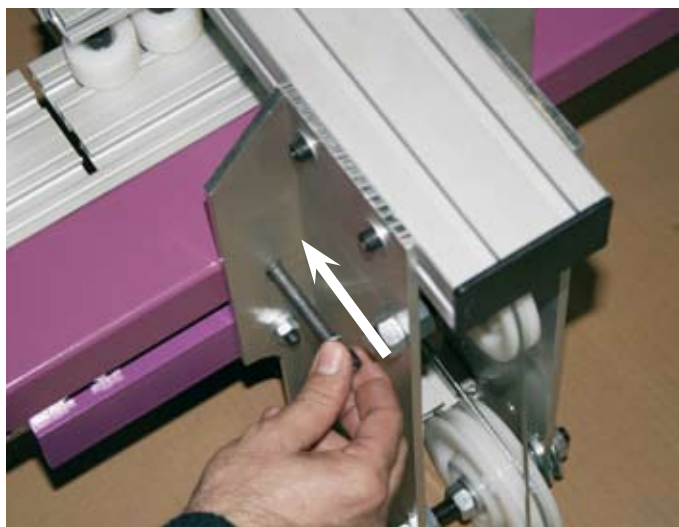
6



Insert the guide special nuts to piece B.

ASSEMBLY INSTRUCTIONS

7



Insert both screws to assure piece A with B.

8



Insert nuts.

9



Tighten and insert both screws to assure piece A with B.

10



Hold the guide special nut of back pieces C and D to piece B, then screw.

11



Hold the guide special nut of upper pieces C and D to piece B.

12



Screw C and D upper pieces.

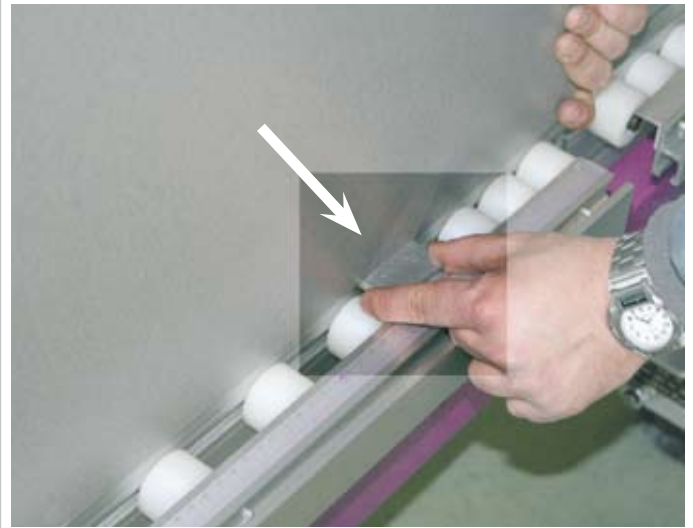
ASSEMBLY INSTRUCTIONS

13



Place the tube in the intake mouth and fix it to the fastener.

14



Show the machine panel placing the separators.

15



Place the panels adjusting the distance to the disc, being 6 mm. for both side.

16



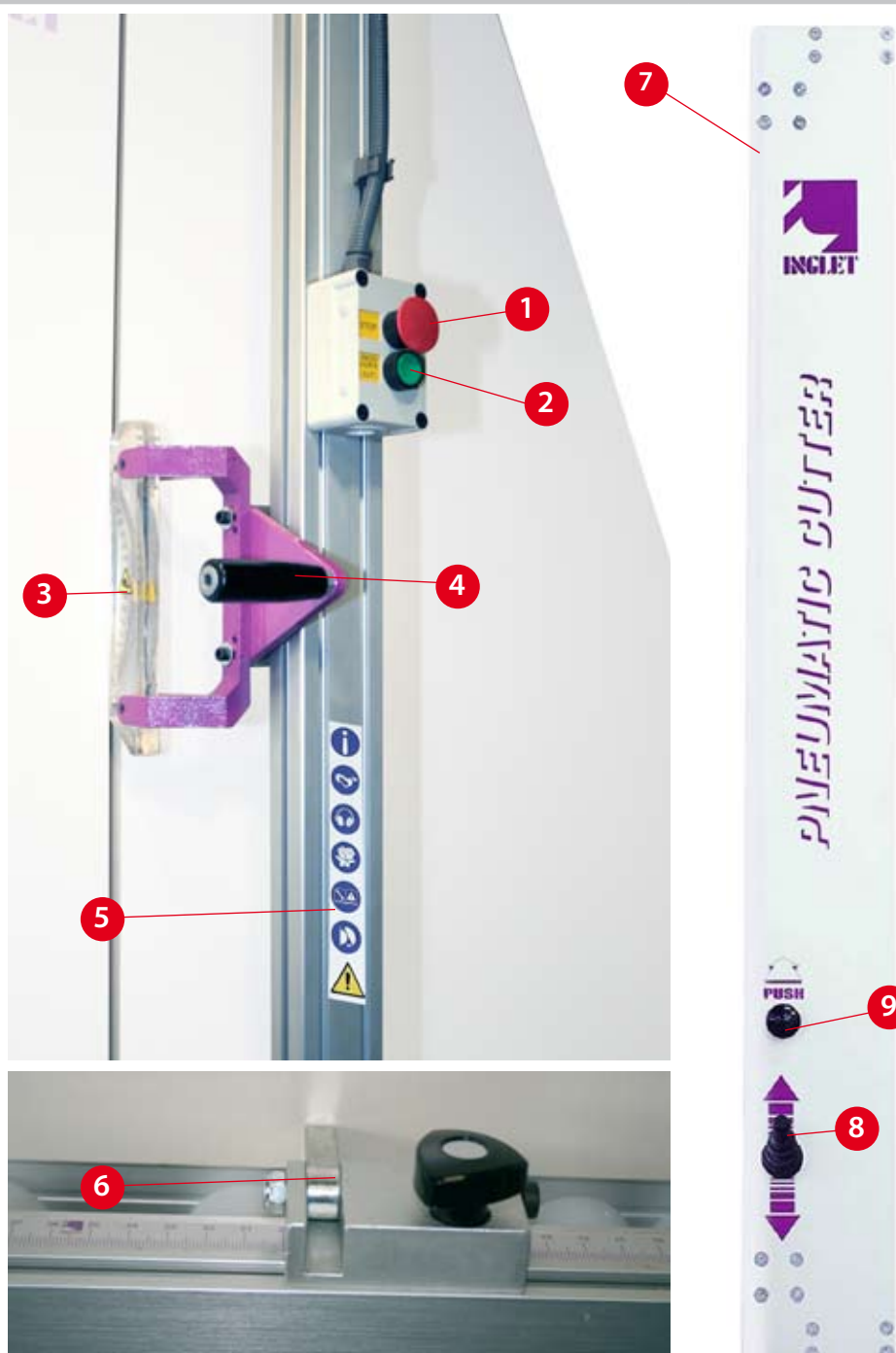
Screw the panels to pieces C and D.

TECHNICAL DATA

TECHNICAL CHARACTERISTICS

	728510 Basic 122	728515 Basic 157	728550 Twin 122	728551 Twin 157
Saw operation	Manual	Manual	Manual	Manual
Blade Operation	No	No	Pneumatic	Pneumatic
Speed head control	No	No	No	No
Saw blade	250 x 30 mm / Z80	250 x 30 mm / Z80	250 x 30 mm / Z80	250 x 30 mm / Z80
Cutting max height	122 cm	157 cm	122 cm	157 cm
Thicknesses allowed				
Rigid / semi-rigid / glass	22 mm	22 mm	22 / 22 / 1,5-3 mm	22 / 22 / 1,5-3 mm
Engine power	1,5 hp	1,5 hp	1,5 hp	1,5 hp
Engine speed	2700 RPM	2700 RPM	2700 RPM	2700 RPM
Voltage	220 V / 110 V	220 V / 110 V	220 V / 110 V	220 V / 110 V

CONTROL DEVICES



1. Emergency stop button
2. Start cutting button
3. Saw blade cover
4. Cutting blade handle
5. Security Indications
6. Cutting width tab
7. Pneumatic accessory
8. Lever
9. Pneumatic presser button

INTAKE CONNECTION



Intake mouth diameter, 100 mm.

ELECTRIC CONNECTION



Voltage, 220/230 V

ACCESSORIES

PNEUMATIC CUTTER ACCESSORY FOR VERDI BASIC

Turn your VERDI BASIC into a VERDI TWIN by adding the pneumatic cutter accessory. This accessory allow cuts on semi-rigid materials (foamboard, cardboard ...) up to 20 mm thick and fully automatic.

Double your VERDI! Two cutters in only one machine! Two independent cutting heads without need of changes, replacements, tools... Just use it!

Ref. 728511 Pneumatic cutter accessory for VERDI BASIC 122

Ref. 728516 Pneumatic cutter accessory for VERDI BASIC 157



DUST COLLECTOR

A dust collector with special design, suitable for all our VERDI vertical saws. VERDI TWIN comes standard equipped with the item 021206, 2 HP dust collector.

Ref. 021206 INTEC -2 HP one phase dust collector

Ref. 021208 INTEC -3HP three phase dust collector



ARM EXTENSION 1m

1 m extension attachment (optional) to cut easily oversized sheets of any material.

Ref. 14 20 02 1 m Arm Extension



LASER FOR VERDI

A laser attachment (optional) makes easy the cutting alignment.

Ref. 14 20 04 Laser for Verdi



INDICATIONS

USES NOT ALLOWED



The VERDI BASIC and VERDI TWIN must not be used to cut metal components such as steel or iron.
The pneumatic cutter included in the VERDI TWIN must not be used to cut rigid materials such as MDF, aluminium or acrylic.



Don't use corrosive materials like acid or solvent.

MAINTENANCE AND CONSERVATION

Due to the design of the vertical saw, it only needs for its maintenance, cleaning and greasing.

It is very important for its well working and durability having always clean and grease the parts that have constant friction, specially the guide of the saw blade movement.

The saw blade must remain always in good conditions to get a correct cut.

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.

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 manual in an accessible and adequate place.

SECURITY SIGNS AND VOCABULARY



PAY ATTENTION



READ THIS MANUAL



GENERAL OBLIGATION



USE ACOUSTIC PROTECTION



USE OCULAR PROTECTION



PROHIBITION



USE PROTECTION GLOVES



USE PROTECTION SAW



ELECTRICAL DANGER



GENERIC DANGER



CUT DANGER

USES OF THE VERTICAL SAW

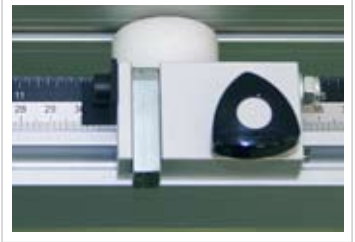
CUTTING WITH THE SAW BLADE

Verdi vertical saws allow you to cut boards of rigid materials such as MDF, wood, PVC, Dibond, aluminium, methacrylate, etc. It also allows you to cut soft materials such as carton, foam board, grey carton, etc. by means of the pneumatic cutter accessory.

Use the saw blade to cut rigid materials. Place the sheet vertically on the rollers guide at one side, with the cutting head up. Place the measurement tab (fig.A-B) where needed to get the cutting distance, and put the removable flap on, to settle the cut. Hide it if you need to cut a new sheet.

- To start the cutting cycle put the switch 2 (see picture C).
- To stop the machine press the red switch STOP (see picture C) which is also an emergency stop. Turn it ¼ clockwise to get it ready again.

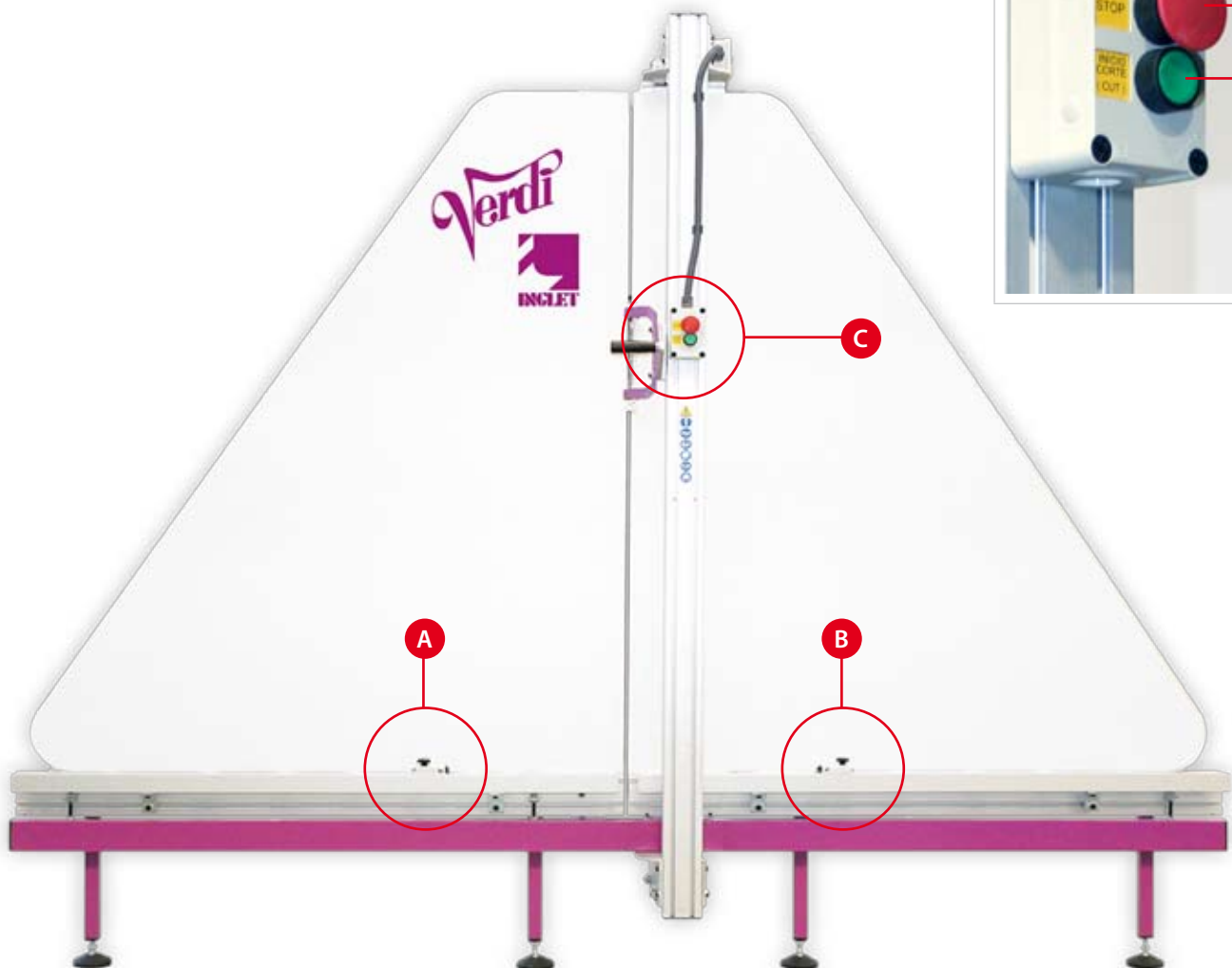
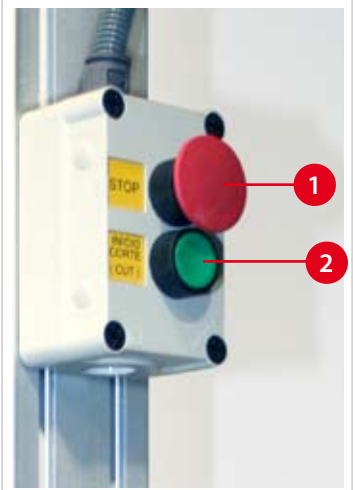
A



B



C



USES OF THE VERTICAL SAW

CUTTING WITH THE PNEUMATIC CUTTER

The pneumatic cutter located at one side of the central bar, is designed to cut sheets of semi-rigid materials (foamboard, card-board, corrugated PVC...). A cutting head to cut glass is available by purchase. See below elements and function:

1. Presser Button
2. Cutting Head handle:
 - Movement Up
 - Movement Down (with return)
3. Cutting Head for semi-rigid materials. Equipped with blade.
4. Cutting head for glass. Equipped with a circular blade (optional accessory).

To start to cut be sure that the cutting head is located on the top of the machine. To move the cutting head put the Cutting Head Handle (Number 2) on its first position (Movement Up). The head goes up to the starting point.

Place the sheet vertically on the rollers guide at one side. Place the measurement tab (page 16, fig. 1 and 2) where needed to get the cutting distance, and put the removable flap on, to settle the cut. Hide it if you need to cut a new sheet.

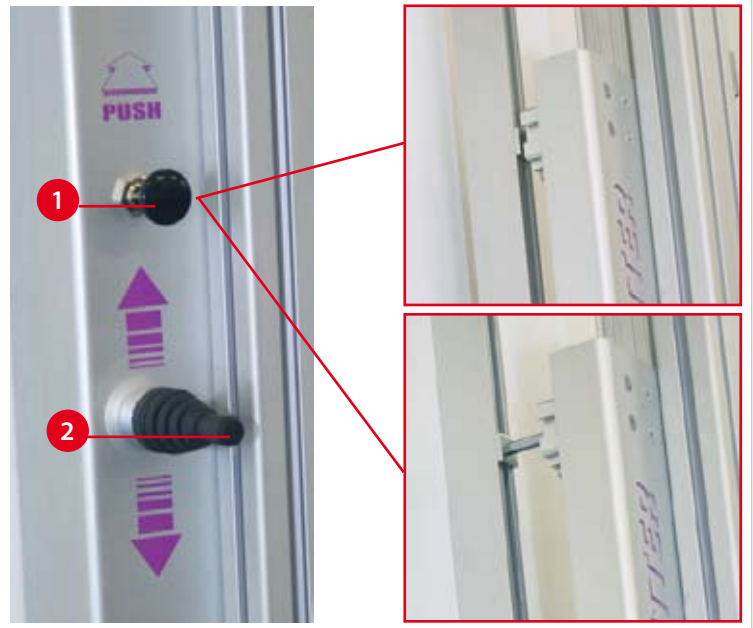
Be sure the cutting blade is on the top, then, press the button 1 to hold the material with the pneumatic presser (1) and press the handle (2) down to cut with the blade. The cutting head stops as you release the handle (2). Release the pneumatic button (1) to free the material.

NOTES: Pressure: 5 - 6 bar is enough pressure to cut all materials.
Please set the general pressure regulator as shown in this manual.

3 - 4

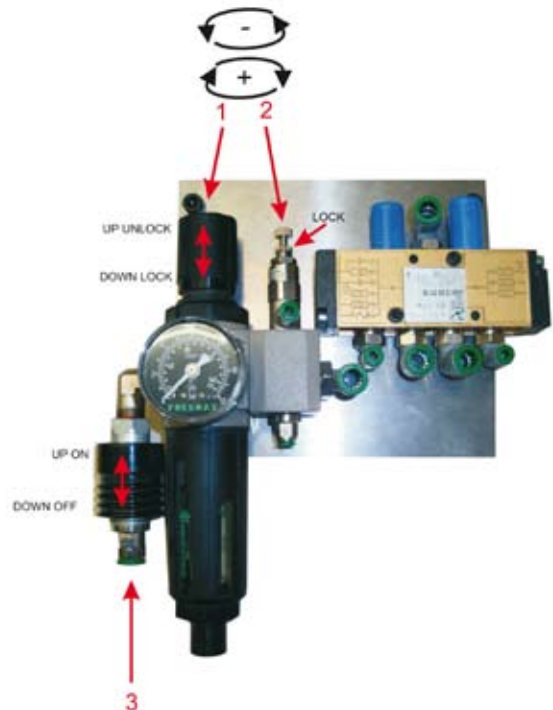


D



PRESSURE ADJUSTMENT

1. General pressure regulator: for regulating the air pressure of the whole pneumatic system.
2. Specific pressure regulator: for regulating the air pressure of the subjection system.
3. Compressor air entrance.



USES OF THE VERTICAL SAW

INSTALLING THE LASER

If you bought a laser attachment it must be installed on the top of the main structure (A). The laser comes in a box with a support.

If you will install the laser on the cutter hand, please place the support toward right side (not centred). Before to fix the laser position, be sure the laser beam goes well along the cutting line.

If you will install the laser on the saw blade hand, please place the support toward left side (not centred). Before to fix the laser position, be sure the laser beam goes well along the cutting line.

Uses of the laser beam:

Use the laser to mark the cutting line. The beam allows you to check and get a faster and more comfortable work.

7



BLADE REPLACEMENT

As the blade is used you can change the blade position to use both ends. If you already changed the position, then you can change the blade. Loosen the knob, do not remove it. Scroll the cover down to show the blade (fig. 2), remove the spacer which covers the blade (fig. 3). Now change the blade position or replace it for a new blade (fig. 4). Be sure the blade is correctly placed before to cover again with the spacer. Scroll up the cover and tighten with the knob (fig. 5)

To adjust the cutting thickness loosen the black knob a little bit and modify the depth. Be careful, it could cause injuries.

**Blades lifespan are directly related to the work and materials to be cut.*

1



2



3



4



5



6



CUTTING HEAD REPLACEMENT

1



2



3

The pneumatic part cutting support has a magnetic holding system. To replace the cutting head means just to remove without losing any screw. You need just to replace it.



CUTTING SAW REPLACEMENT

1



Unplug the machine from the electric current.

2



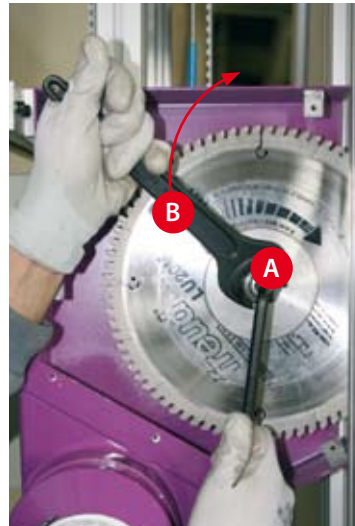
Pull the screws out the cover of the saw blade protection box.

3



Withdraw the cover.

4



Take the nut off that holds the saw blade with the tools supplied with the machine.

5



Withdraw the fixing plate.

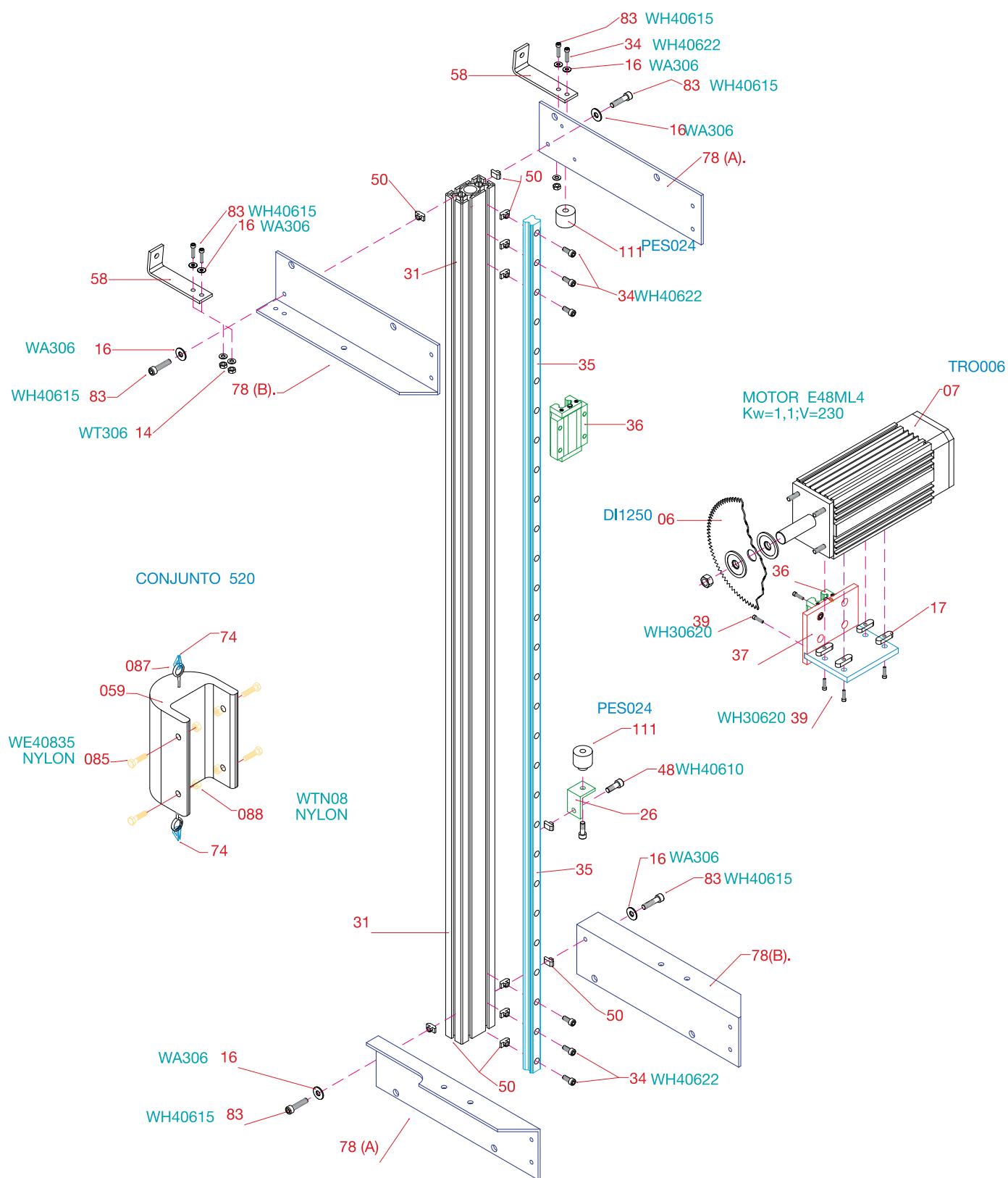
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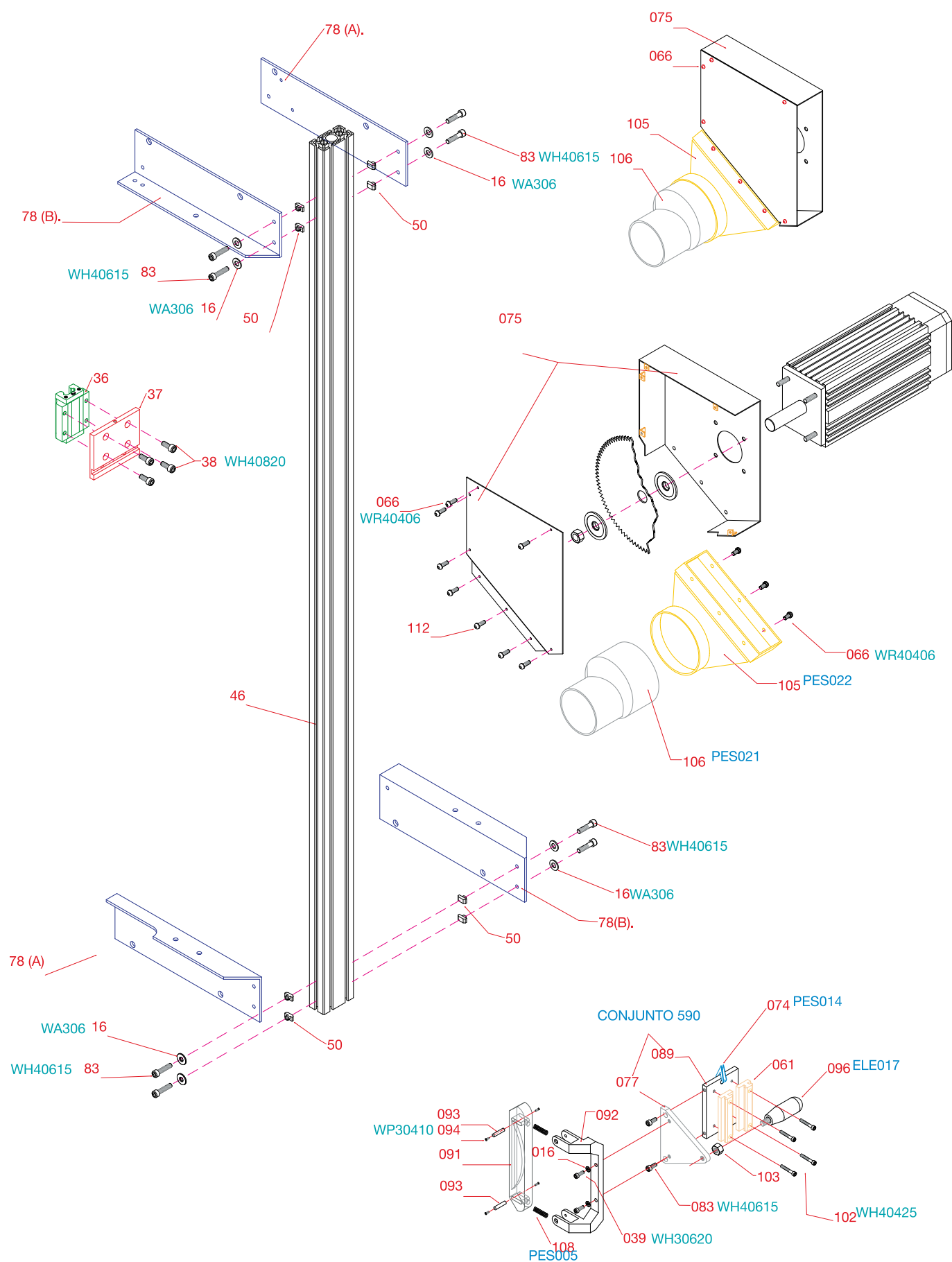
Finally, withdraw the saw blade and replace it by a new one.

NOTE: For the saw blade assembling, follow the same steps to the inverse one.

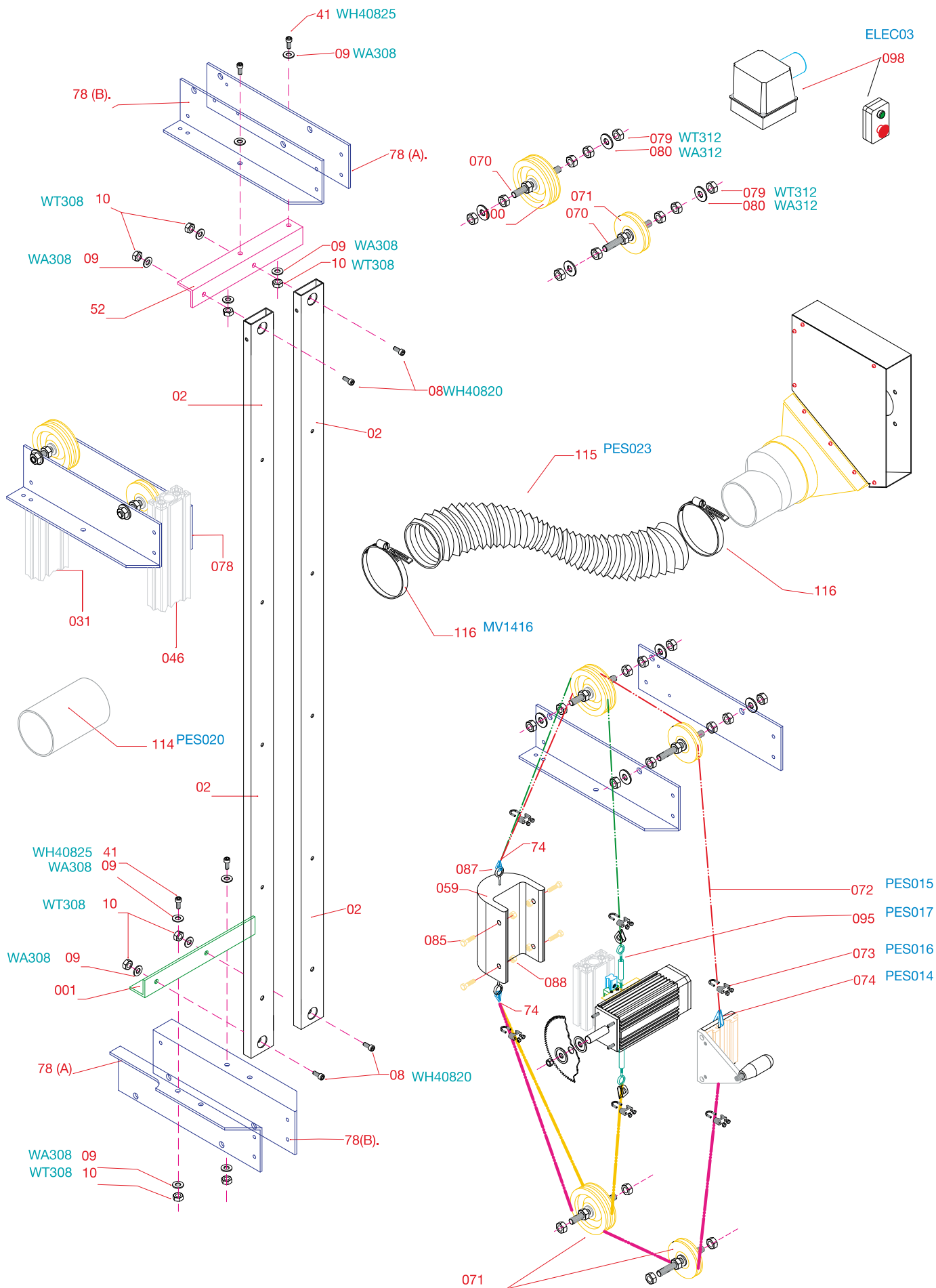
SPARE PARTS VERDI BASIC



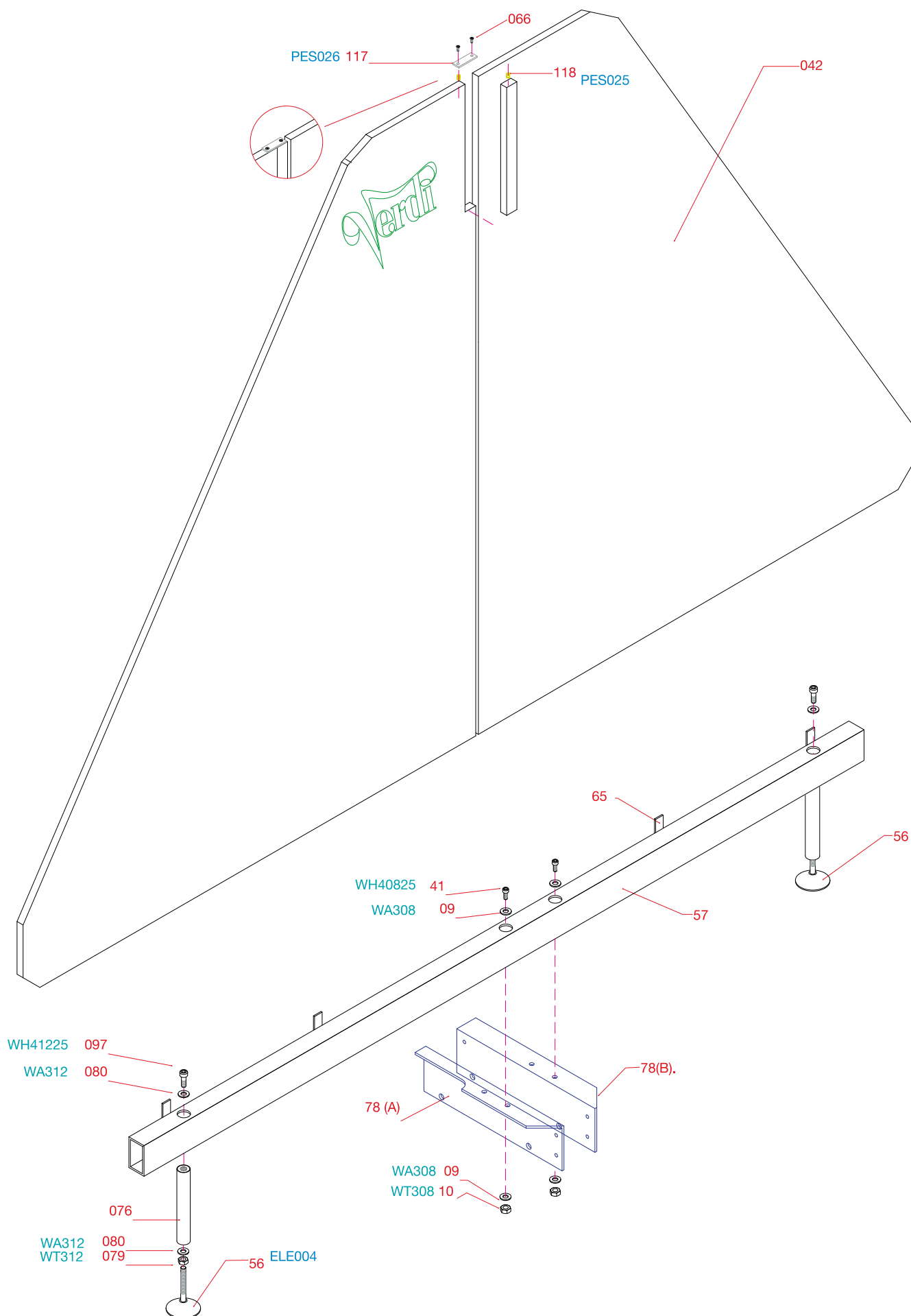
SPARE PARTS VERDI BASIC



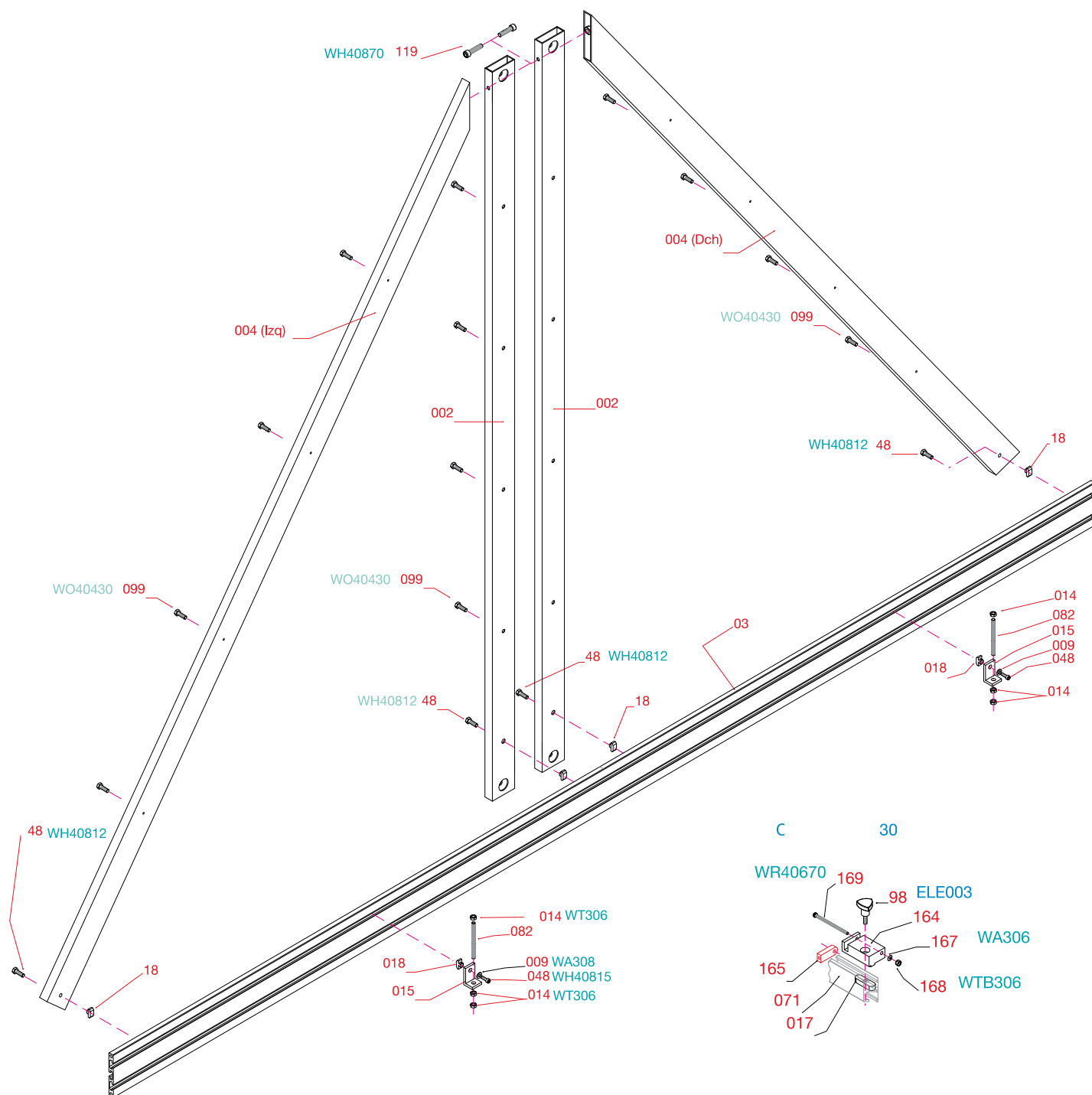
SPARE PARTS VERDI BASIC



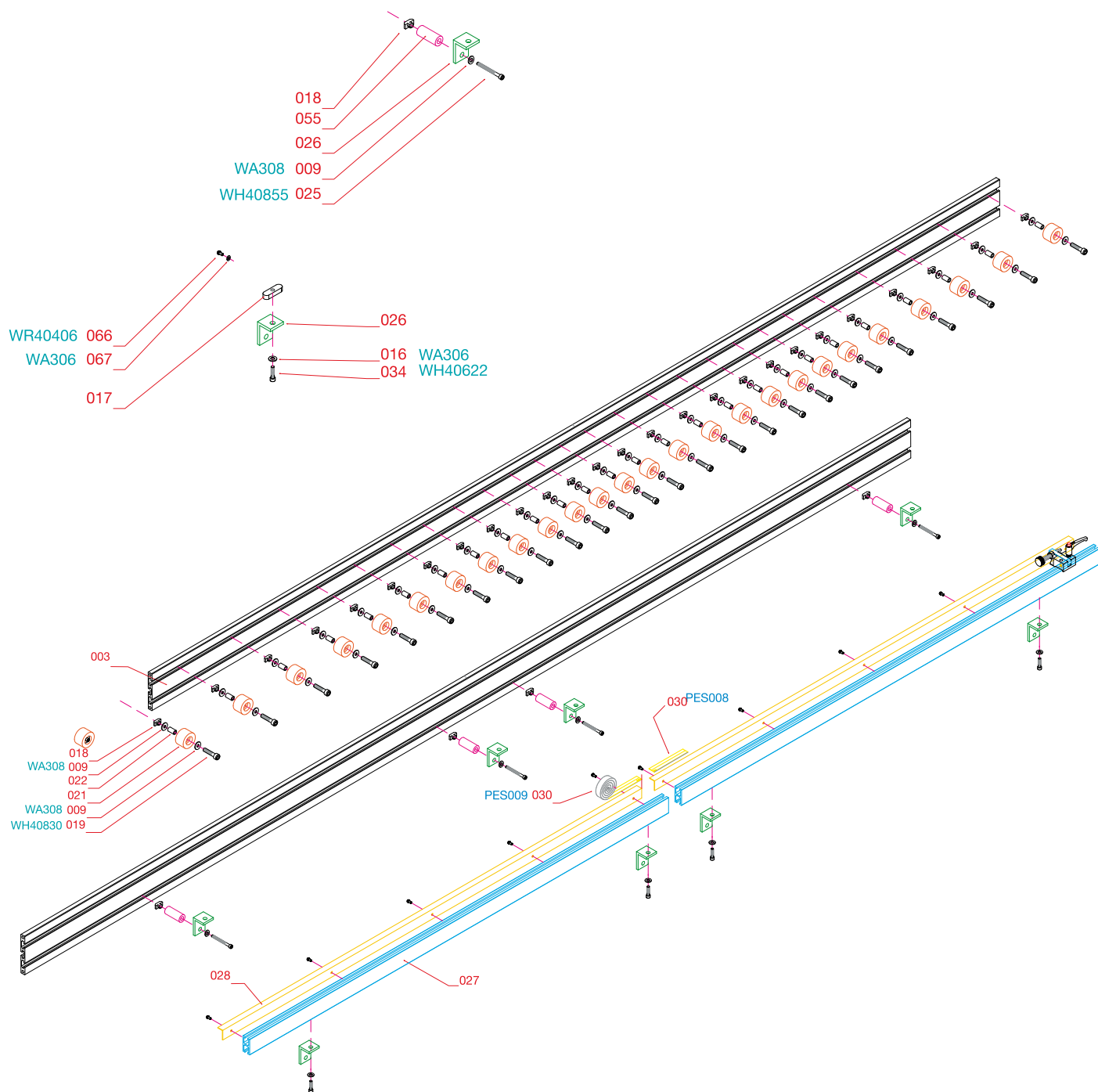
SPARE PARTS VERDI BASIC



SPARE PARTS VERDI BASIC



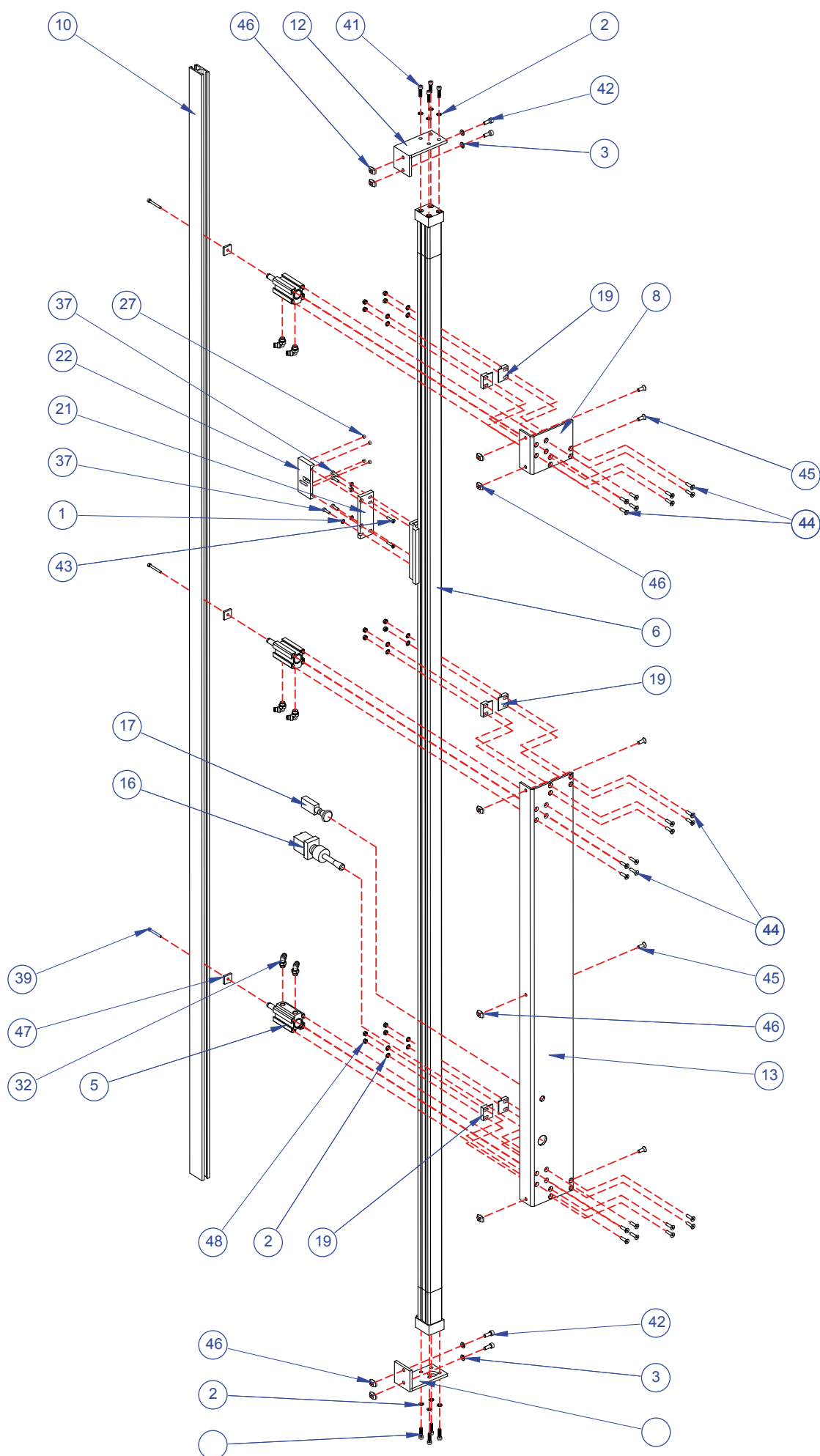
SPARE PARTS VERDI BASIC



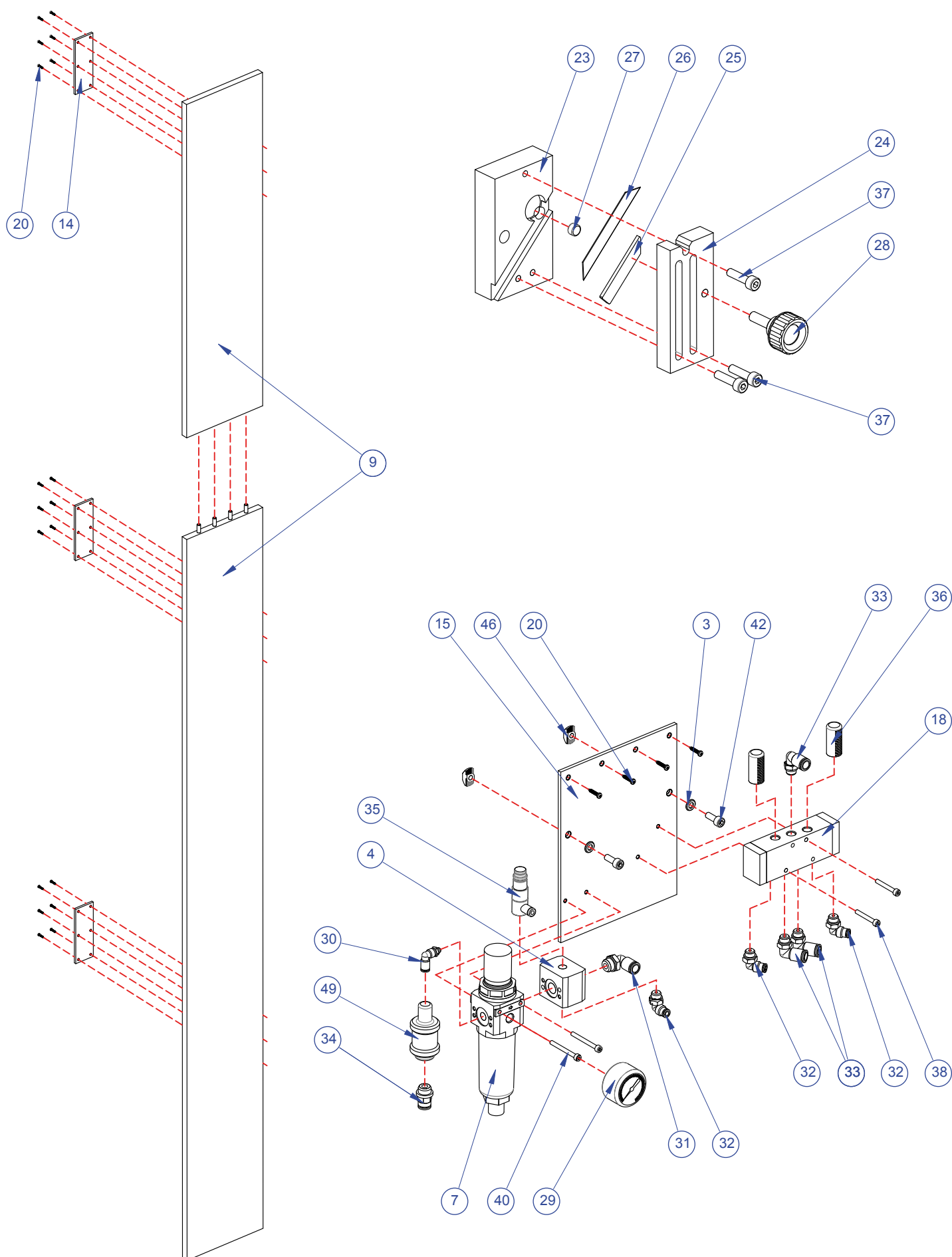
SPARE PARTS LIST VERDI BASIC

1	Column angle	161001	78	Disc protection support splitter	163078
2	Central column bar stretcher	163002	79	Hexagonal nut	WT312
3	Support roller profile	PER004	82	Regulation screwed axle	161082
4d	Right lateral support	163004	83	Allen screw	WH4616
4i	Left lateral support	163004	89	Nylon guides support	161089
5	Basculant bracket support	161005	91	Disc protection	161091
6	Disc	DIM25	92	Disc protection support	161092
7	Electric engine	TRO006	93	Disc protection axle	161093
8	Allen screw	WH4820	94	Allen screw	WP3410
9	Washer	WA38	96	Lever	L017
10	Hexagonal nut	WT38	102	Allen screw	WH4425
12	Rivet	163012	105	Intake stub angle	PES022
14	Hexagonal nut	WT36	106	Intake stub angle reduction	PES021
15	Regulation angles	161015	113	Round screw	WR40610
16	Washer	WA306	114	Union tube	PES020
17	Measure top guide	161017	115	Flexible intake tube	PES023
18	Guide special nut	W(PT)48	116	Pinchcock	MV1416
19	Allen screw	WH4830	117	Plate screw	
20	Wooden screw	160020	122	Washer	WA312
21	Nylon roller	161021	123	Washer	WAA306
22	Nylon roller splitter ferrule	161022	156	Allen screw	WH4516
24	Allen screw	WH4612	158	Self locking nut	WTA304
25	Allen screw	WH4855	159	Allen screw	WR40416
26	Guide stop fixation support	161026	160	Handle stop	ELE003
27	Aluminium profile	161027	161	Allen screw	WH40508
28	Milimetric holder aluminium angle	161028	162	Washer	WA305
30	Milimetric adhesive tape	PES008+PES009	163	Hexagonal screw	WE4616
31	Aluminium profile	163031	164	Measure stop support	470164
34	Allen screw	WH4620	165	Position stop	470165
35	Lineal rolling guide	163035	168	Auto blocking washer	WT452
36	Lineal rolling	161036	169	Allen screw	WT40665
37	Fixation lineal rolling engine	163037	170	Allen screw	WP40610
38	Engine principal support	161038	171	Right inferior aluminium angle	191171
39	Allen screw	WH4630	172	Left inferior aluminium angle	161172
40	Slotted belt	163040	173	Right superior aluminium angle	161173
42	Support board	163042	174	Left superior aluminium angle	161174
43	Slotted belt fixation A	163043			
44	Slotted belt fixation B	163044			
45	Hexagonal nut	WE40890			
46	Aluminium profile	163046			
48	Allen screw	WH4812			
50	Guide special nut	W(PT)46			
51	Special nut	161051			
52	Superior angle central column	161052			
55	Fixation support angle splitter	161055			
56a	Support foot	ELE004			
56b	Support foot	ELE004			
57	Fixation support foot tube	161057			
58	Support angle	161058			
59	Counterweight	161059			
60	Special nut	ELE004			
61	Nylon guide	161061			
62	Final plastic clamp	161062			
66	Allen screw	WR40410			
68	Single rigger	161068			
69	Double rigger	161069			
70	Rigger axe	161070			
72	Wire rope	PES015			
74	Wire rope fixation	PES014			
75A	Box disc protection	161075			
75B	Cover box disc protection	161075			

SPARE PARTS PNEUMATIC CUTTER



SPARE PARTS PNEUMATIC CUTTER



SPARE PARTS LIST PNEUMATIC CUTTER

No.	Description	Ref.
1	Plain Washer M4 (DIN 125-1A)	440501
2	Plain Washer M5 (DIN 125-1A)	440502
3	Plain Washer M6 (DIN 125-1A)	440503
4	Derivation Block.....	314505
5	Presser cylinder.....	314529
6	Rodless cylinder stroke 2480 mm Verdi 244	314524
6	Rodless cylinder stroke 3090 mm Verdi 305	314525
7	Pressure regulator filter 1/4"	314504
8	Cylinder upper support 40x109x90x4	451152
9	Board supplement CV1630	451010
9	Board supplement CV1640	451014
10	Aluminium profile presser H 40x20x2652 Verdi 244	451155
10	Aluminium profile presser H 40x20x3192 Verdi 305	451156
11	Holding cylinder lower angle 100x50x6x50	451099
12	Holding cylinder upper angle 100x50x6x50	451151
13	Cylinder central support 40x109x100x4.....	451162
14	Boards union plate 50x5x140	451163
15	Support plate pneumatic components 200x155x4	451098
16	Blade movement control.....	314532
17	Presser control	314530
18	Pneumatic valve 5-ways	314502
19	Cylinder intermediate support	314521
20	Round head wood bolt 4x20.....	440803
21	Blade holder base 35x8x100.....	451157
22	Adjustable blade support 40x10x80.....	451160
23	Blade support 40x15x70	451159
24	Blade tighten plate 30x10x70	451158
25	Blade reinforcement sheet	451161
26	Blade	130115
27	Magnet	161330
28	Knob M5	450111
29	Manometer.....	310408
30	Elbow connector 1/4" 1/4" metal	314515
31	Elbow connector 1/4" M 8 mm.....	314517
32	Elbow connector 1/8" M 4 mm.....	310320
33	Elbow connector 1/8" M 8 mm.....	314512
34	Straight connector 1/4" M 8 mm	314516
35	Pressure regulator 1/8" 4 mm	314507
36	Silencer 1/8"	314513
37	Allen head screw M4 x 16 (DIN 912).....	440114
38	Allen head screw M4 x 30 (DIN 912).....	440118
39	Allen head screw M4 x 35 (DIN 912).....	440119
40	Allen head screw M4 x 40 (DIN 912).....	440197
41	Allen head screw M5 x 20 (DIN 912).....	440128
42	Allen head screw M6 x 16 (DIN 912).....	440138
43	Zinc countersunk head screw M4 x 20 (DIN 7991)	440250
44	Zinc countersunk head screw M5 x 20 (DIN 7991)	440261
45	Zinc countersunk head screw M6 x 16 (DIN 7991)	440262
46	T-Nut M6	450320
47	Insertion Nut M6 R8.....	450355
48	Hexagon Nut M5 (DIN 934)	440412
49	Hand slide valve 1/4" H-H.....	310305

INGLET SLU, reserves the law to carry out modifications and improvements without previous notice. For more information and solution of problems get in touch with the Technical Assistance Service (S.A.T.) sat@inglet.com

