

USER'S MANUAL

Device “Rewinding to Roll2Basket”



FOREWORD

This manual is a guidebook for using the device “Rewinding to Roll2Basket” correctly. Assembling and adjustment of the device and items to notice when using the device are described in this manual.

Please read this manual thoroughly and use the device after understanding the contents.

This manual may contain discrepancies in detailed information when compared with the actual product due to continued research and improvements. If any question about the product or the contents of this manual arises, please consult your ZSK distributor.

Please keep this manual near the machine for immediate reference.

IMPORTANT SAFETY INSTRUCTIONS

To use the device safely, it is necessary to handle it correctly. Please read the IMPORTANT SAFETY INSTRUCTIONS described in this manual thoroughly and do not handle this device until you fully understand the contents. Since items to notice when handling this device are described in below signal terms that follow warning marks in this manual, be sure to observe them.

DEFINITIONS OF SIGNAL TERMS ARE AS FOLLOW:

DANGER

Safety instructions labelled “Danger” must be observed in order to avoid the risk of personal injury.



This symbol marks instructions in the operator's guide whose infringement can give rise to personal injury or damage to property.



Risk of injury from electric shock.

CAUTION

Safety instructions labelled “Caution” must be observed in order to avoid the risk of damage to property.



Risk of crushing by moving machine parts.



Risk of piercing by moving mechanical parts (needles, borers).



Risk of burning by hot components (magnets, motors).

NOTE

Instructions labelled “Note” must be observed to avoid malfunctions/operating errors.

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1. GENERAL PURPOSE

This device “Rewinding to ROLL2BASKET” is intended for winding the tape and belt.

NOTE

Install the appropriate software T8/T8-2 Release 27.09.2016

2. DESCRIPTION

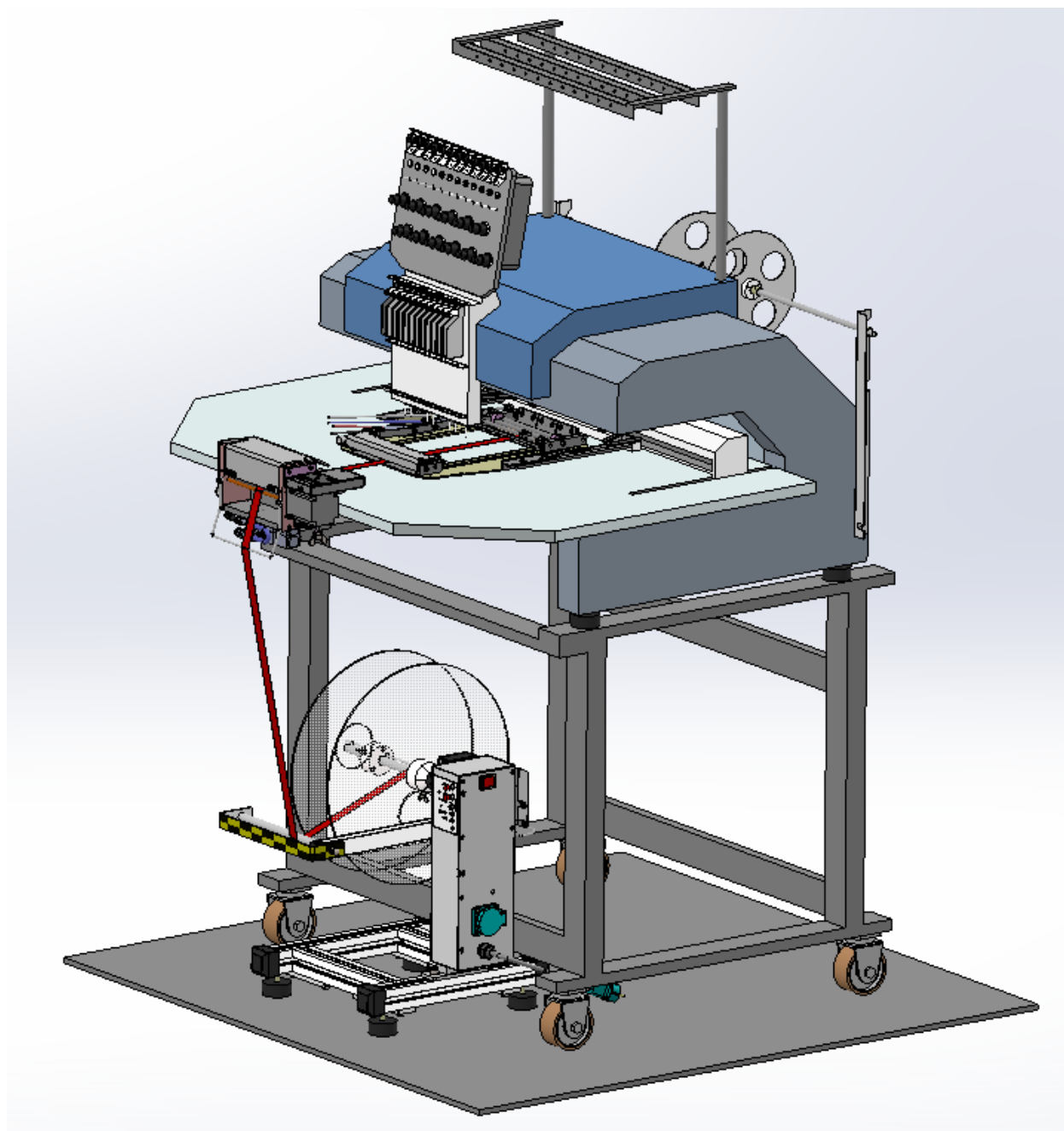
Device « Rewinding to ROLL2BASKET » can be used on the ZSK embroidery machines. Allows to winding belts and tapes from 10 mm to 150 mm.

3. GENERAL TECHNICAL SPECIFICATIONS

Tape width	10...150 mm
Tape thickness	0,2....5 mm
Maximum speed	900 st./min
Supply voltage/ Consumed power	+24 VDC / 0,15A ~230V / 0,25A
Max. tapes(belts) weight	5000g
Size:	4250*4450*5750 mm
Weight, net	11000g

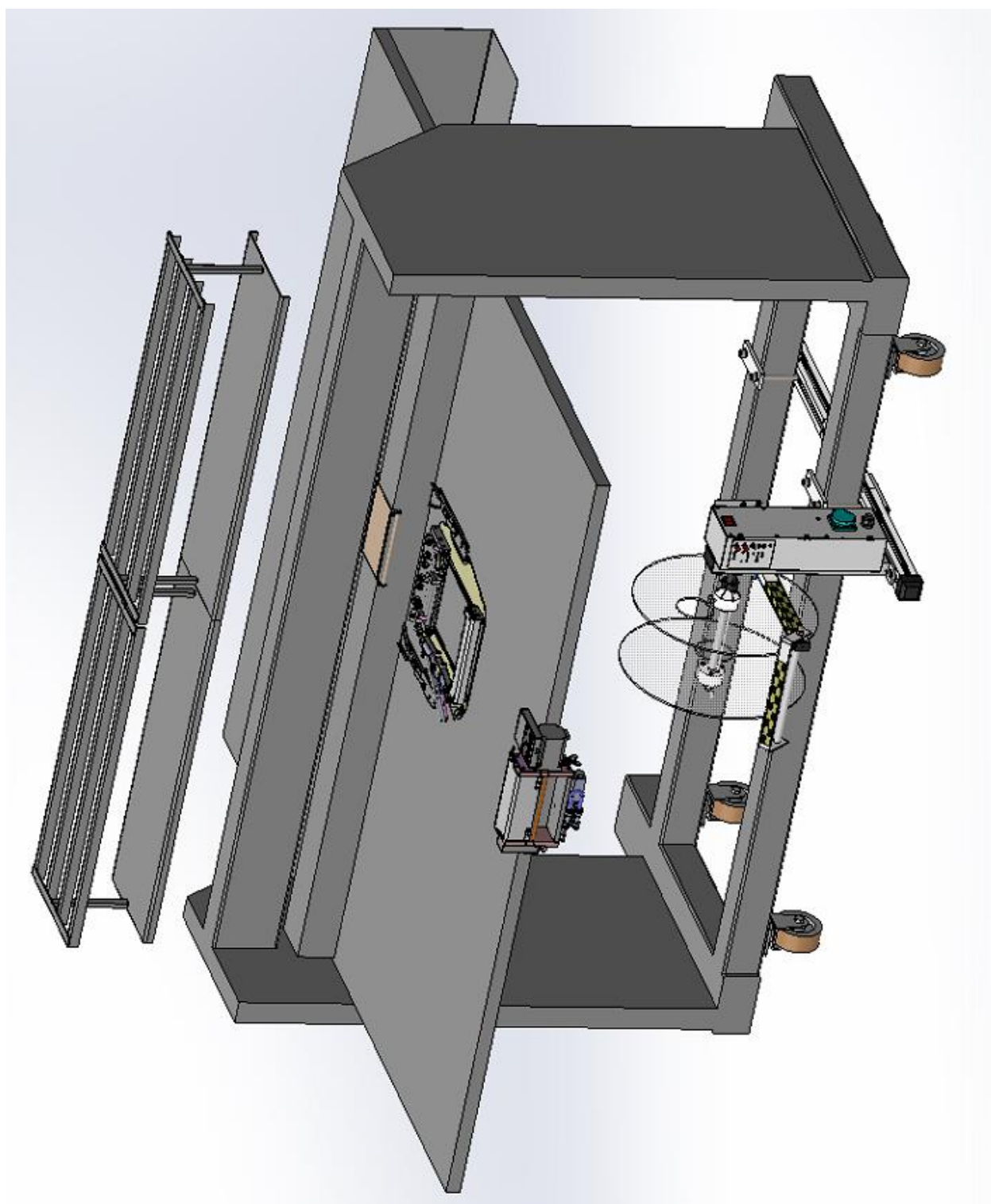
4. The scheme of installation on different types of embroidery machines

4.1 Embroidery machines Sprint



Version 1 "SPRINT"

4.2 Embroidery machines Racer



Version 2 "RACER"

5. Operations & Controls

1 – button – manual mode to winding tape/belt

2- button – manual mode to unwinding tape/belt

The two-position switch (A-B) - intended to set the device operation mode.

Available switch positions are:

A – automatic mode (buttons 1 – 2 are deactivate in this mode)

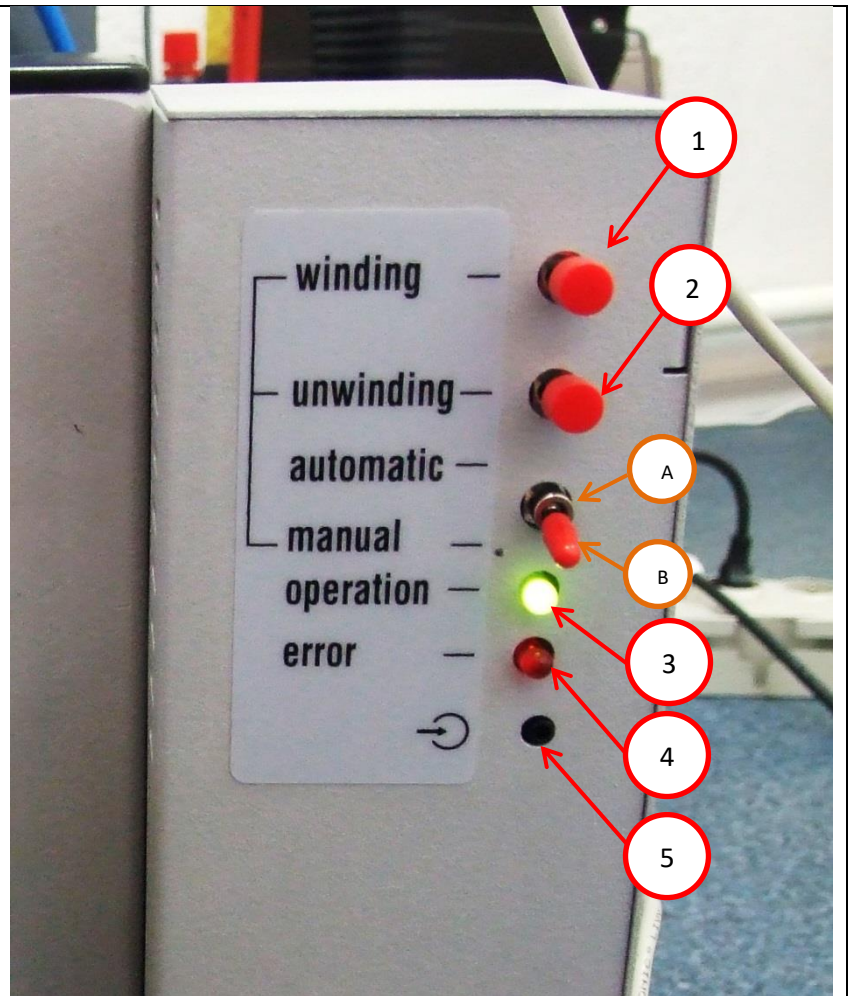
B – manual mode

3 - LED – operation mode

Red
Green

4- LED - error indication

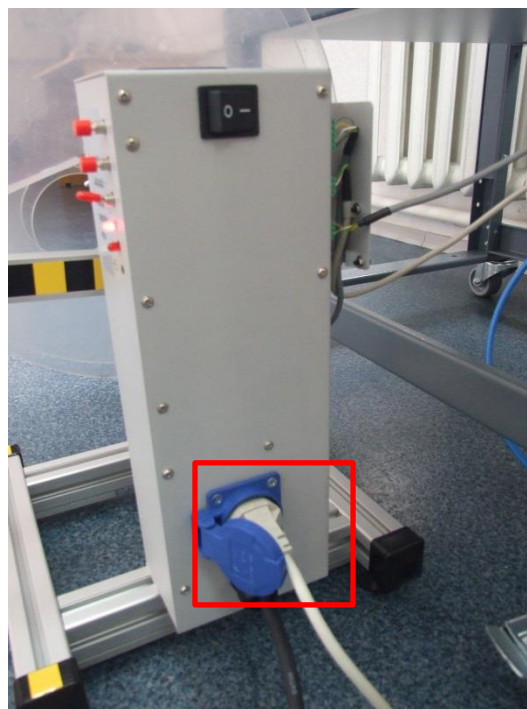
5- input – used only technical-engineer for device settings



6.Installing and connecting the device

0

Attention! The embroidery machine is plugged into the device and the device is plugged into the outlet.



1

Installing an additional bracket to the Roll2Basket. And fasten the fixing screws.

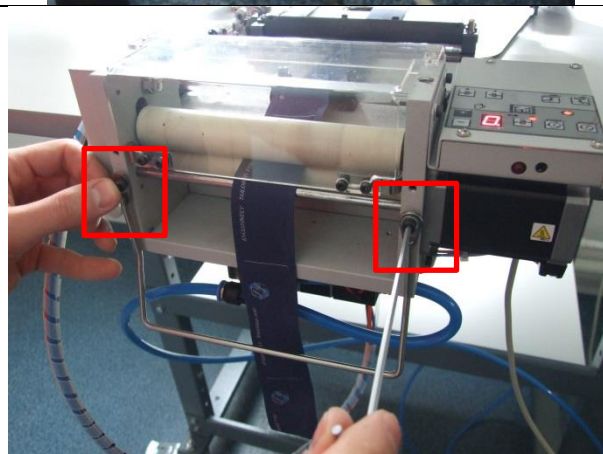


Photo 1.1

2

Set the device Rewind to ROLL2BASKET so that the tape is perpendicular to the axis of the device.

Installation on Sprint machines
(Photo 1.2).

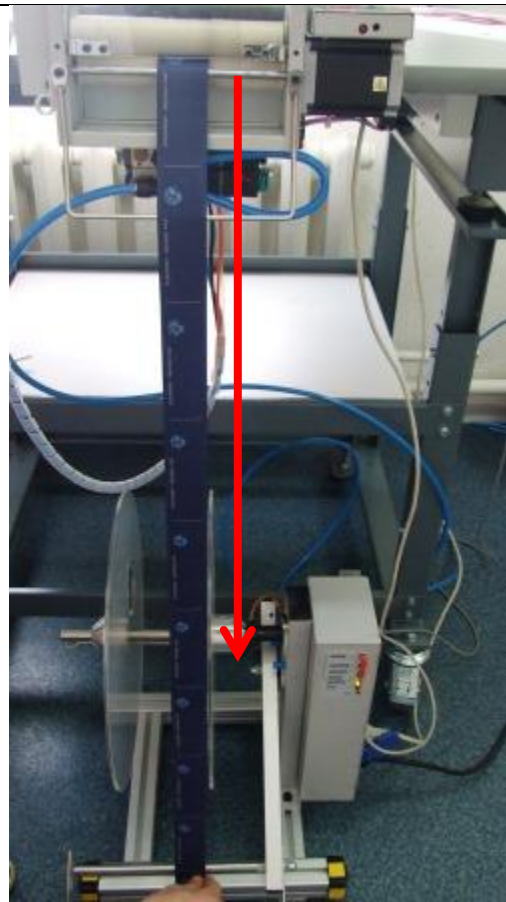


Photo 1.2

3

Installation on Racer machines (Photo 1.3.).



Photo 1.3

4

Pull the tape as shown in Photo 1.4.

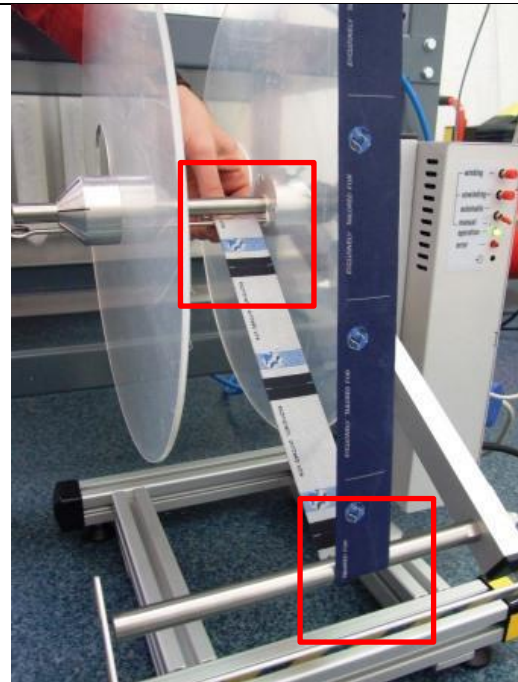


Photo 1.4

5

Move the disc to the width of the tape and fix the screw, as shown in Photo 1.5.

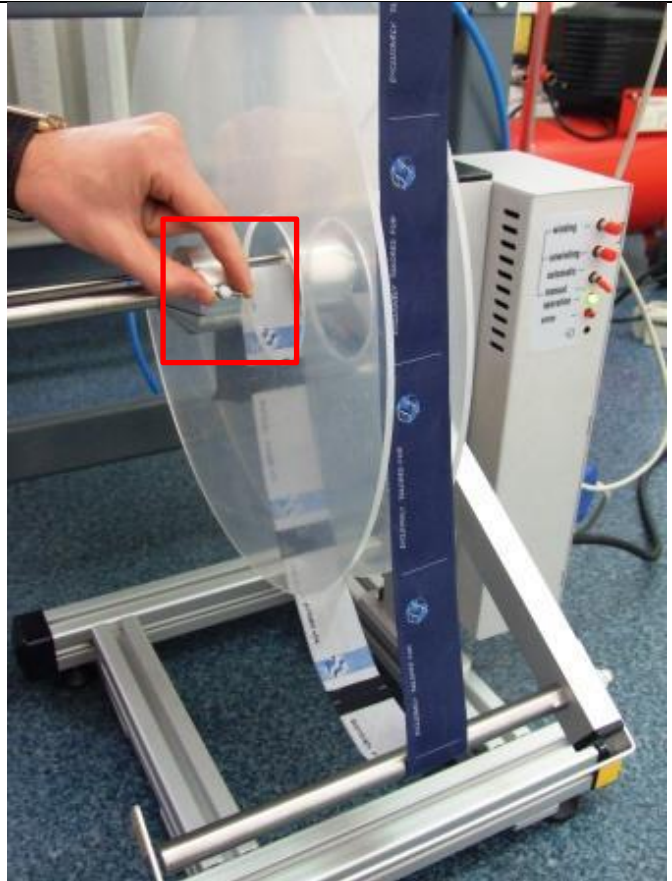


Photo 1.5

6

Check the position of your tape in accordance with Photo 1.6 - Photo 1.8.



Photo 1.6

Check the position of your tape in accordance with Photo 1.6 - Photo 1.8.

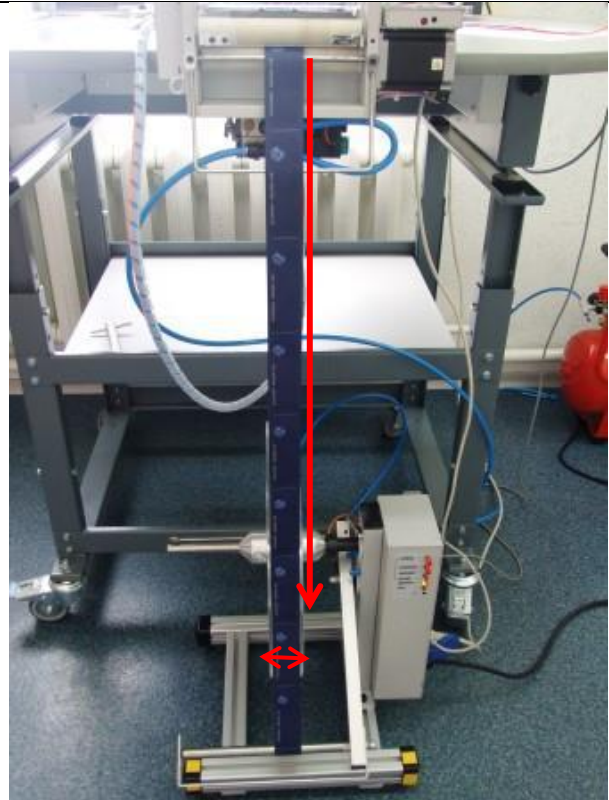


Photo 1.7



Photo 1.8

7	Mode of manual tape winding. Set the toggle switch to the lower position - manual. (Photo 1.9)	
8	Click on the winding button (Photo 1.10) and the tape starts winding.	

Photo 1.9

Photo 1.10

9

The tape is set and stretched. (Photo 1.11)



Photo 1.11

7.Unpacking and assembly

Required Tools



Packed device



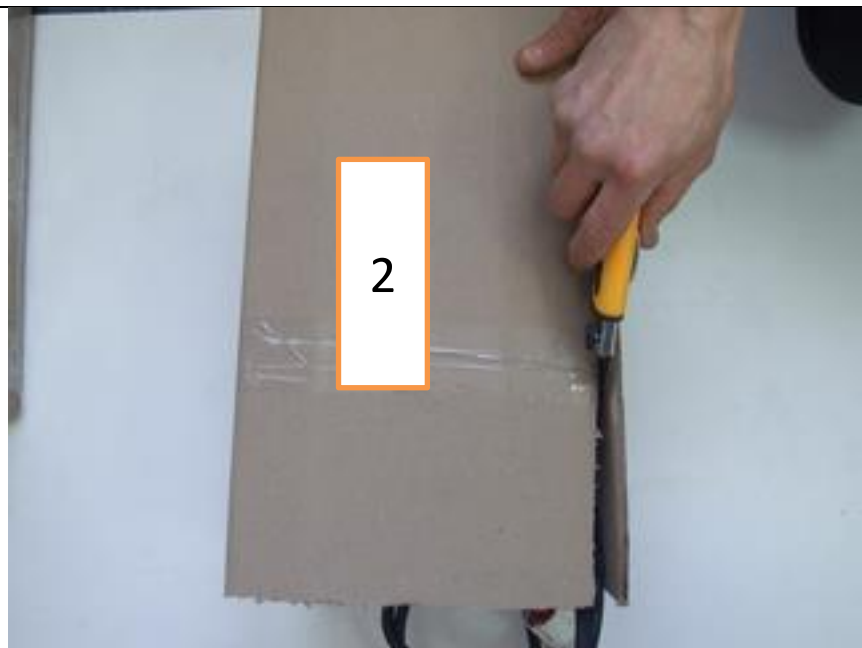
Open the box



Expand
compartment 1



Expand
compartment 2



Eject device



Pay attention to
the photo

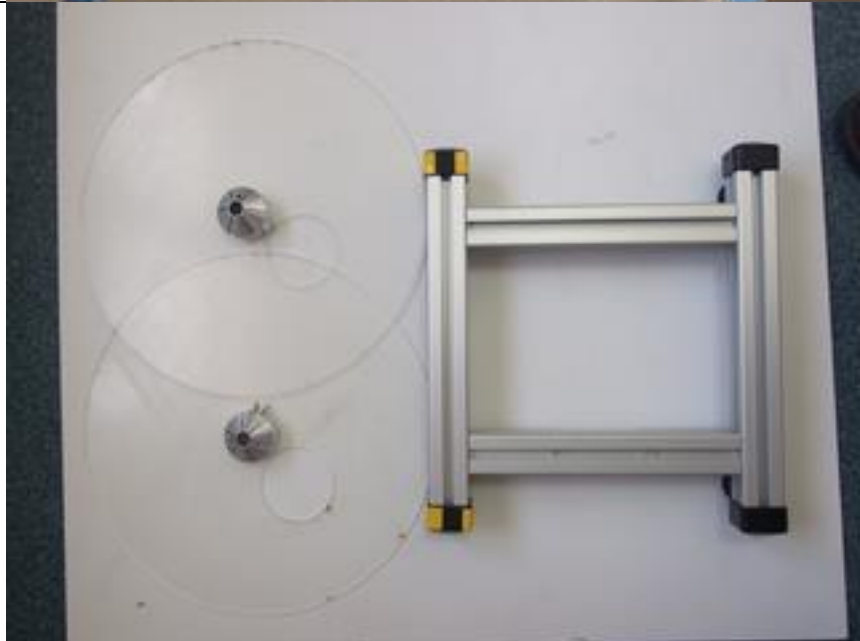


Remove the remaining parts from the box





Unpacking is finished, the beginning of the assembly.

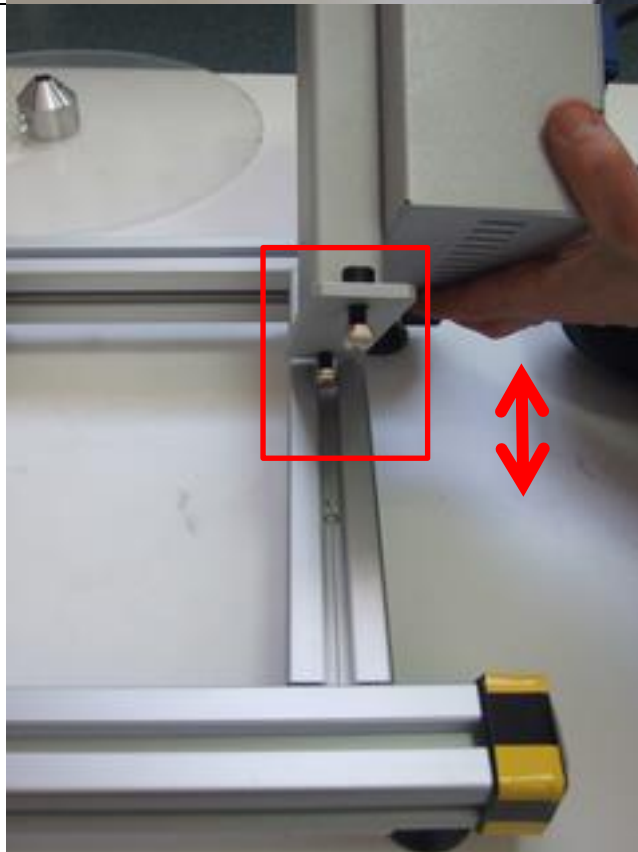


Attention!!!
Do not twist to the end.

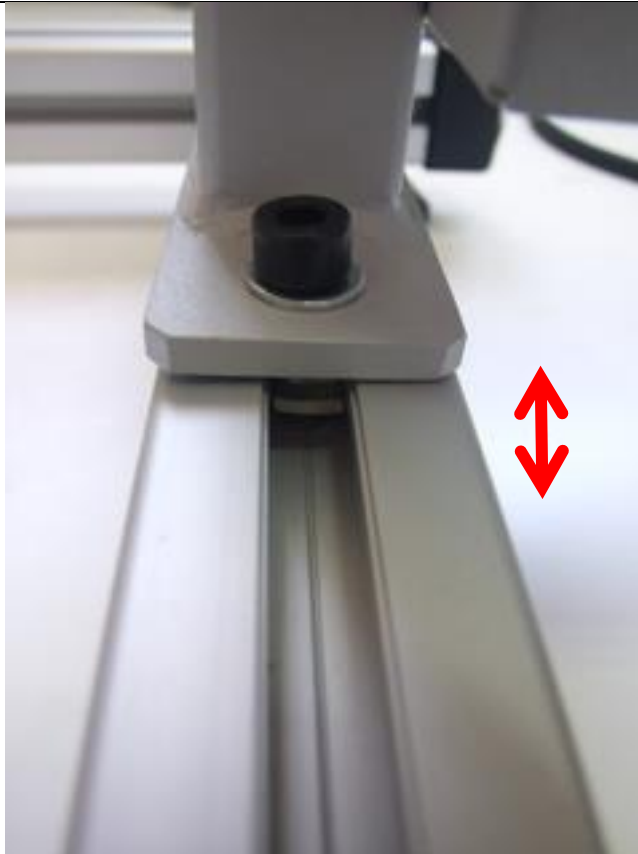




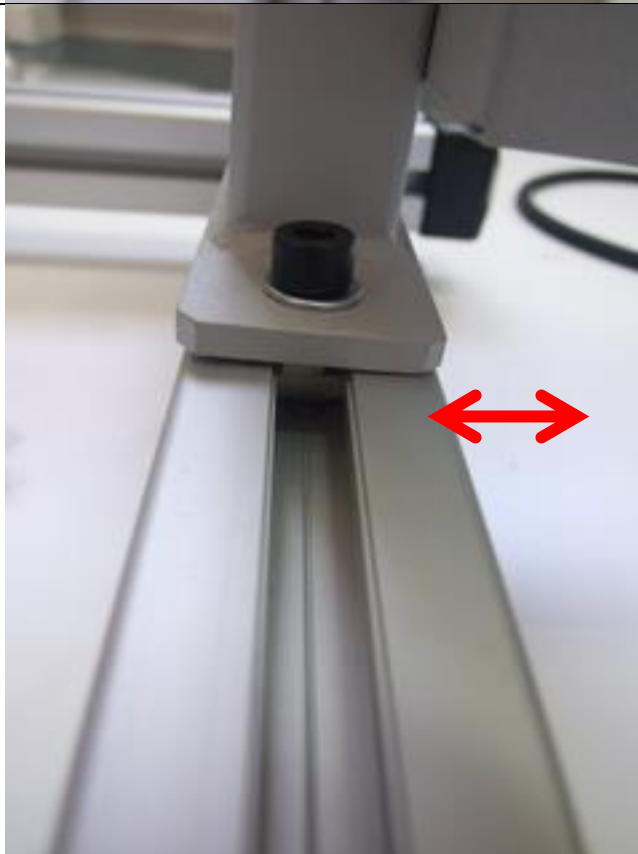
Attention
It is necessary to
install the
fasteners in the
position shown
on the photo and
insert into the
hole.



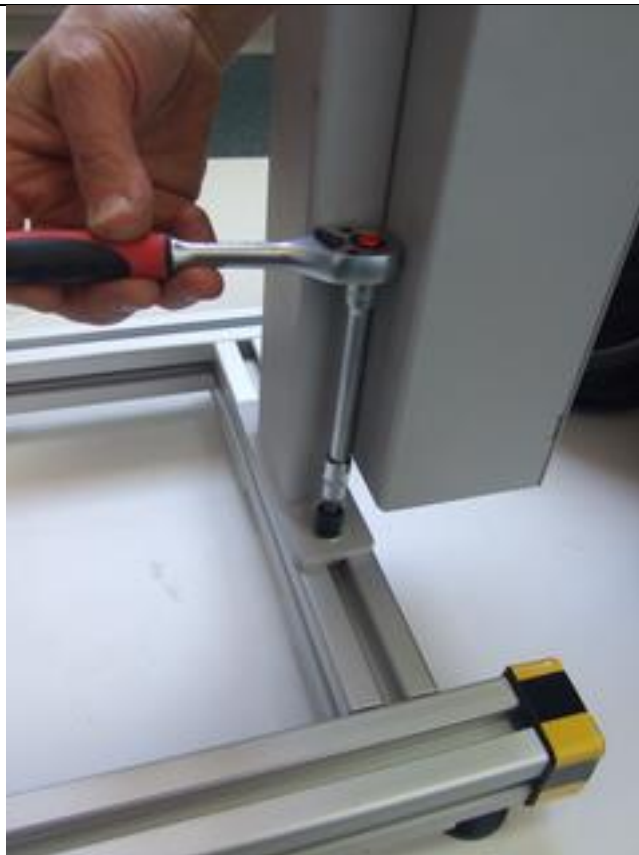
It is necessary to
change the
position of the
fasteners in the
hole
(scrolling them)

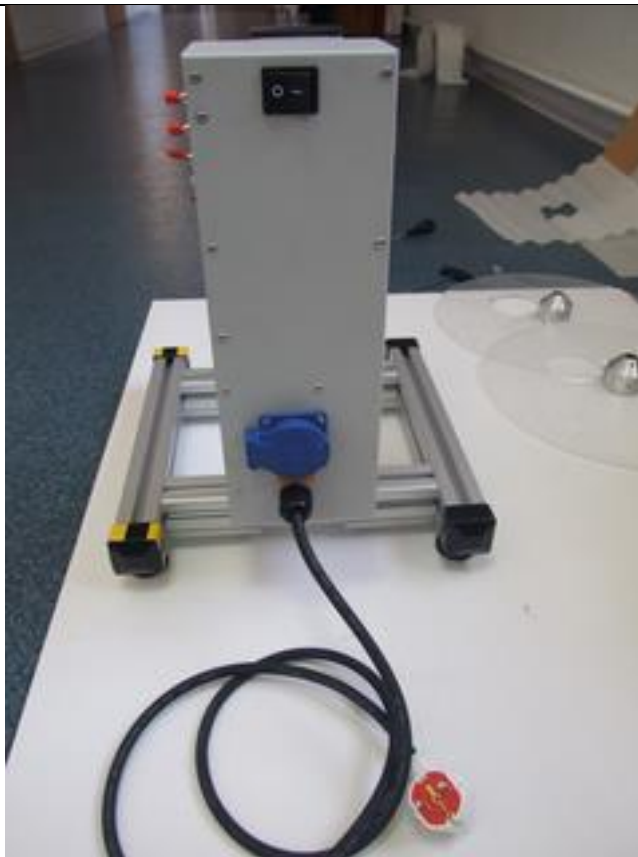


It is necessary to
change the
position of the
fasteners in the
hole
(scrolling them)



Fasten fastener





Build according
to photo

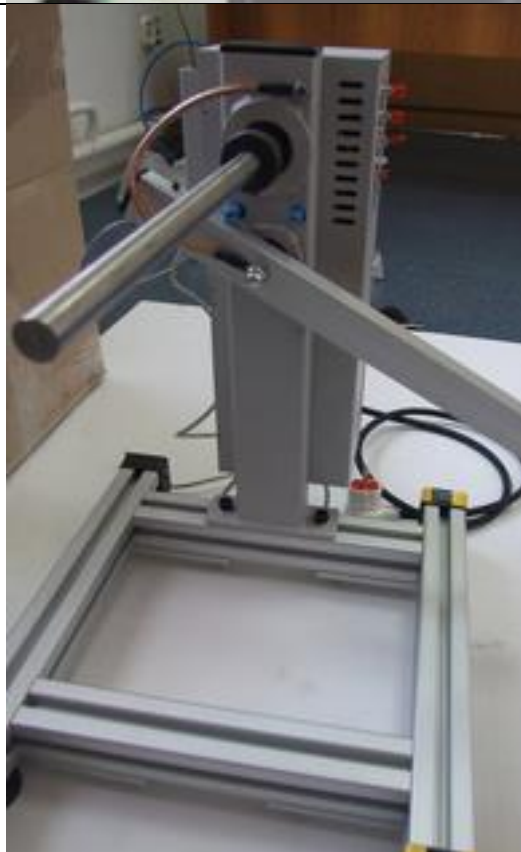




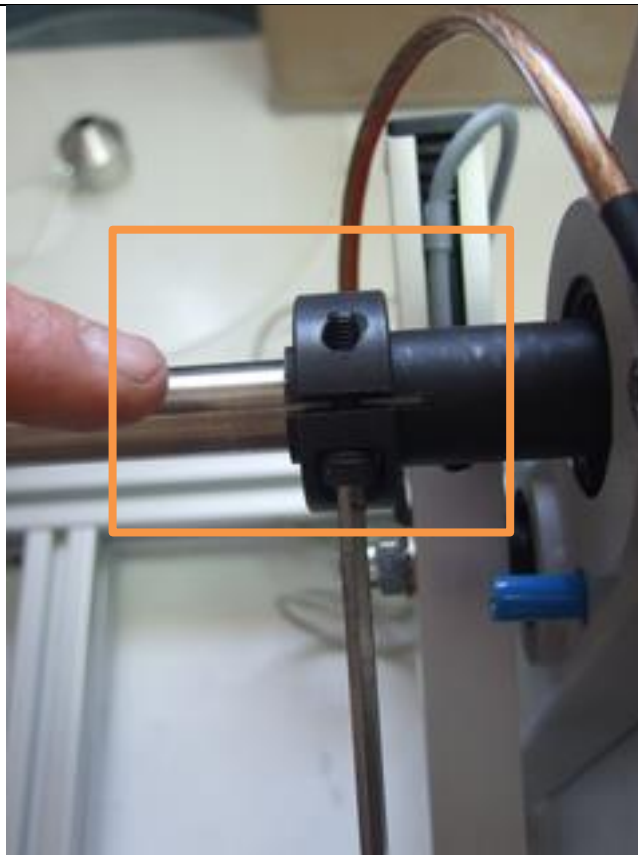




Attention! Set
the axis to the
end.



Align that the
slits are the
same.
And fix it.

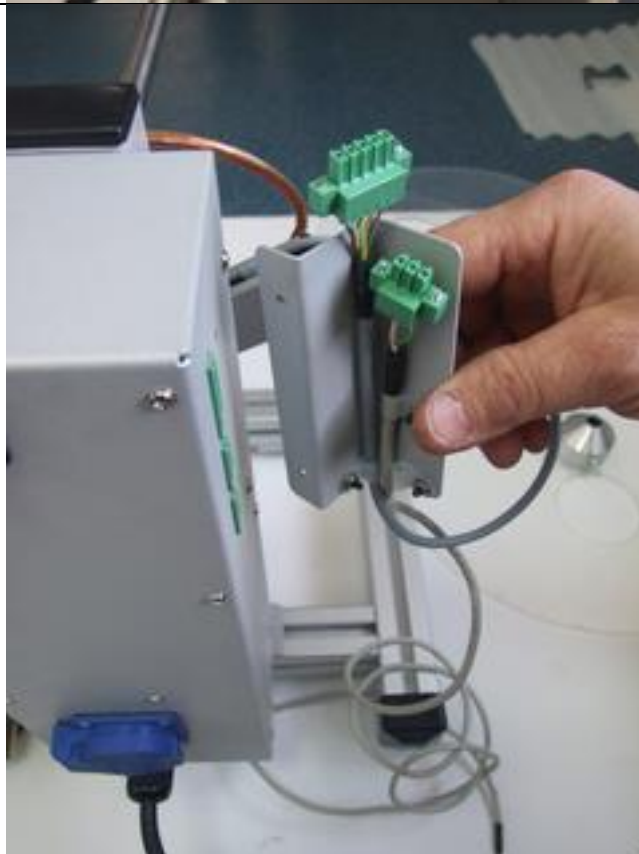


Unscrew the
fixing screws
from the housing.



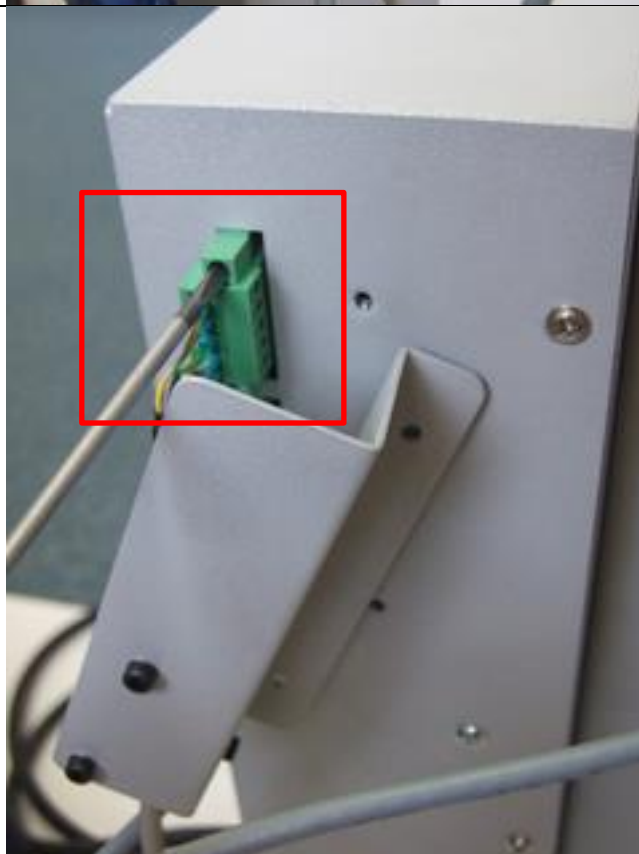
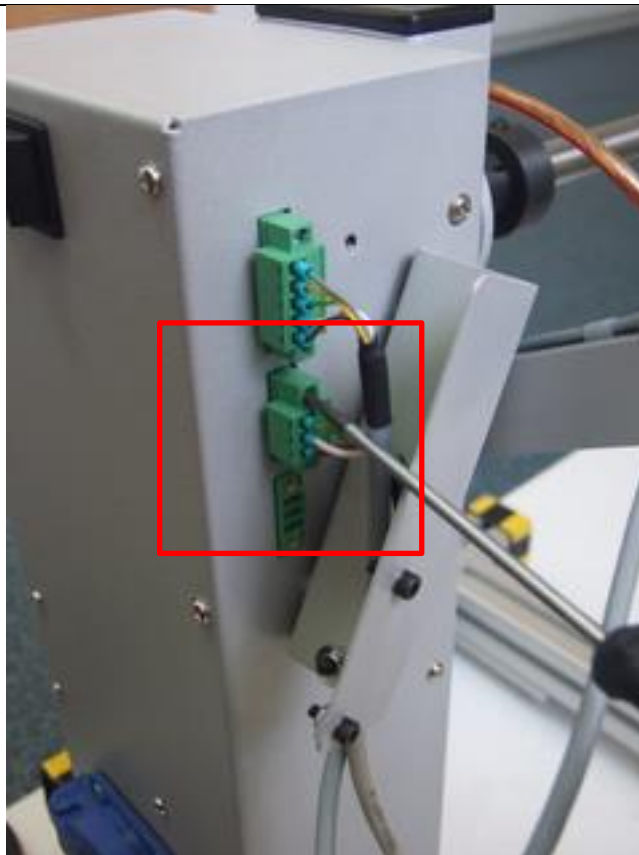


Make contacts in the connectors.

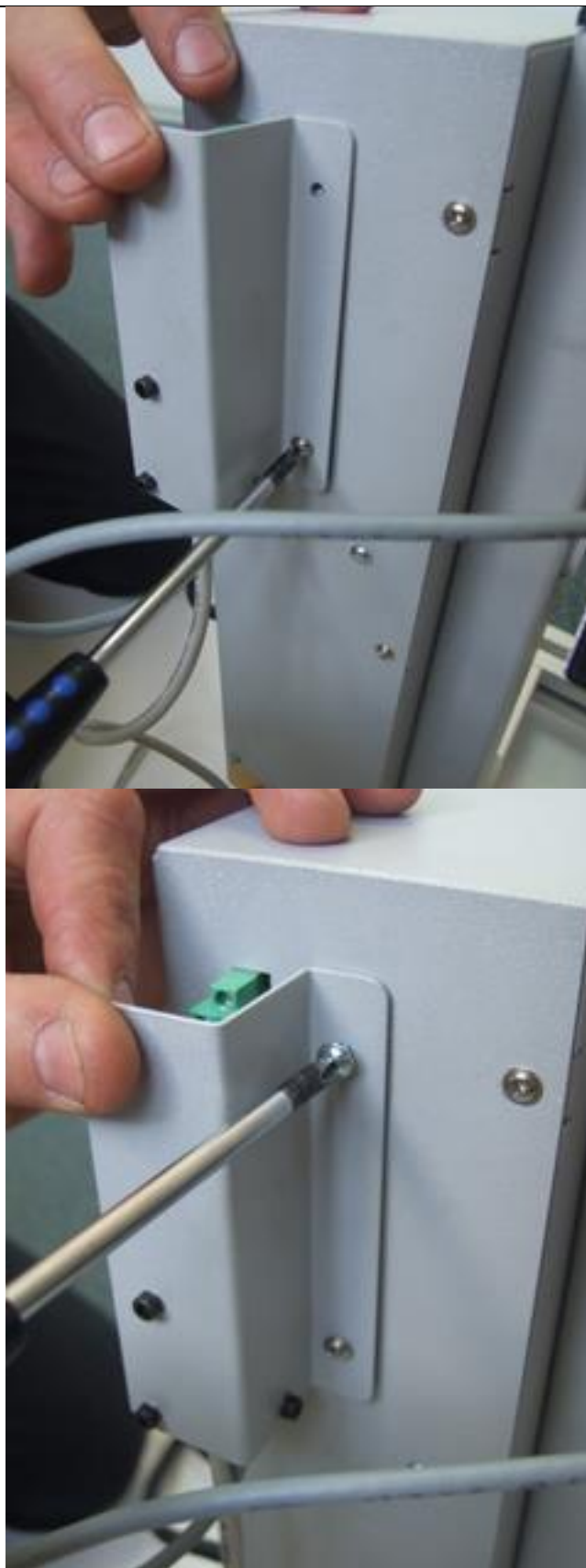




Secure the connection with screws.



Secure the protection.



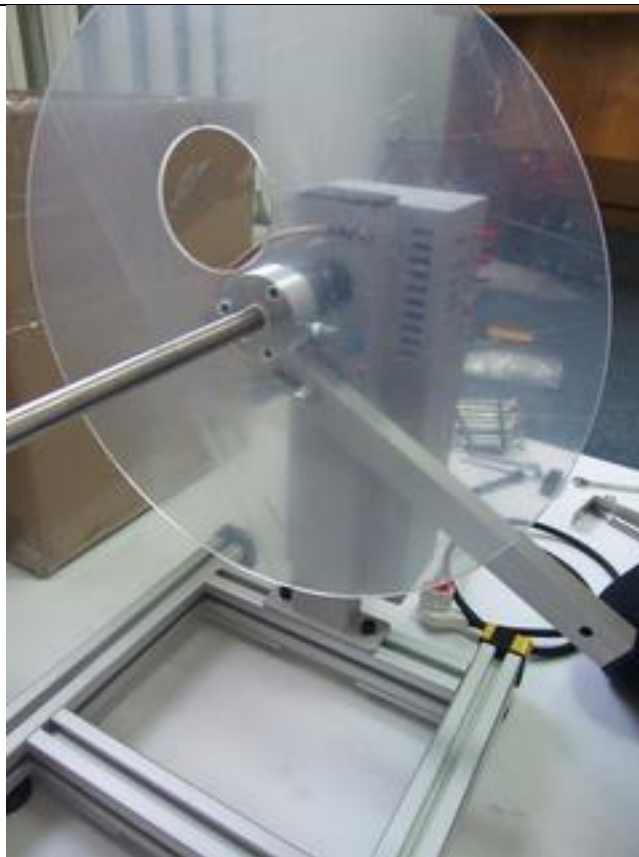
Go to the installation discs.

Select the disc labeled R and unscrew the screw.



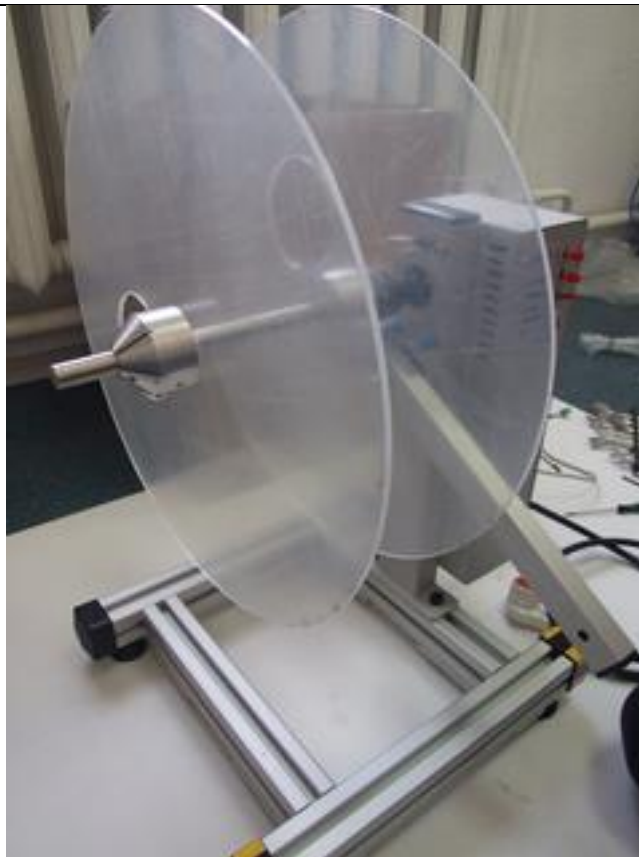
We install on the axis, as shown in the photo.





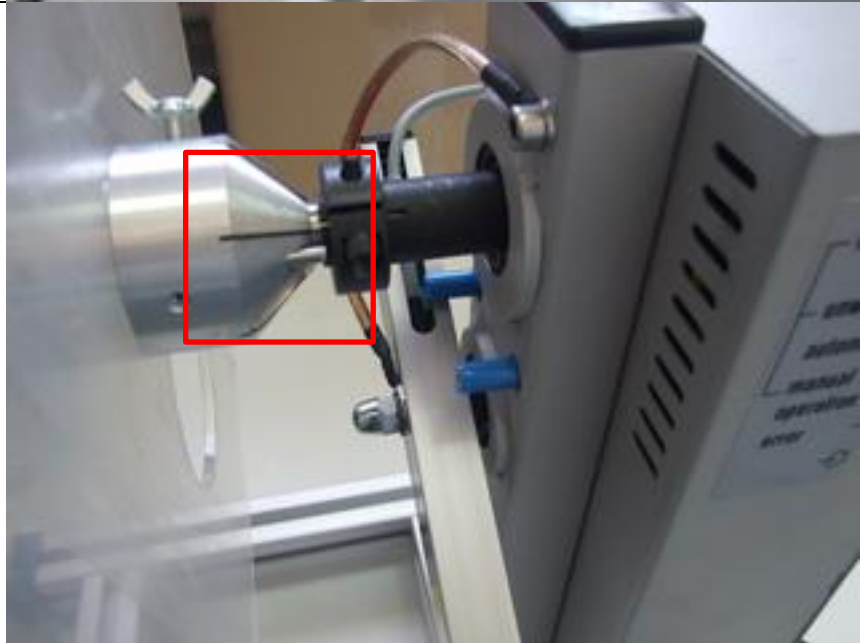
Select a disc with the designation L and set it to the axis.





Installing the arm
through the holes





Tighten the fixing screws of the discs.



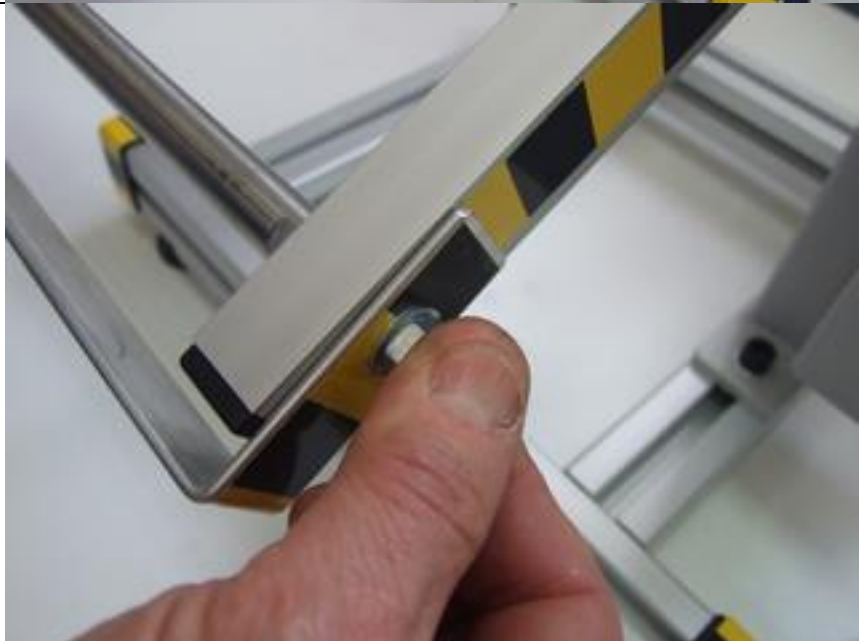
Tighten the fixing screws of the discs.

The installation of the discs is complete.



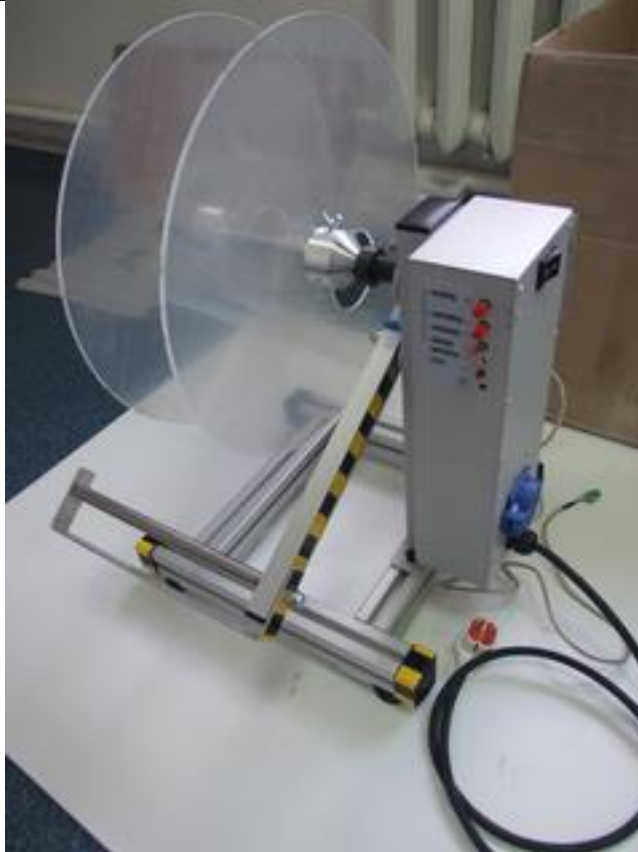
The last stage of the assembly.

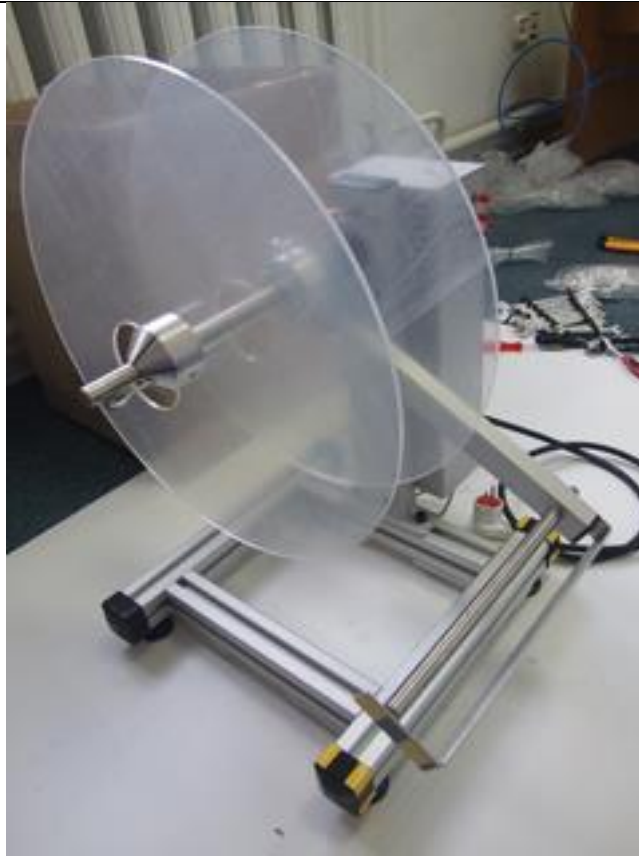




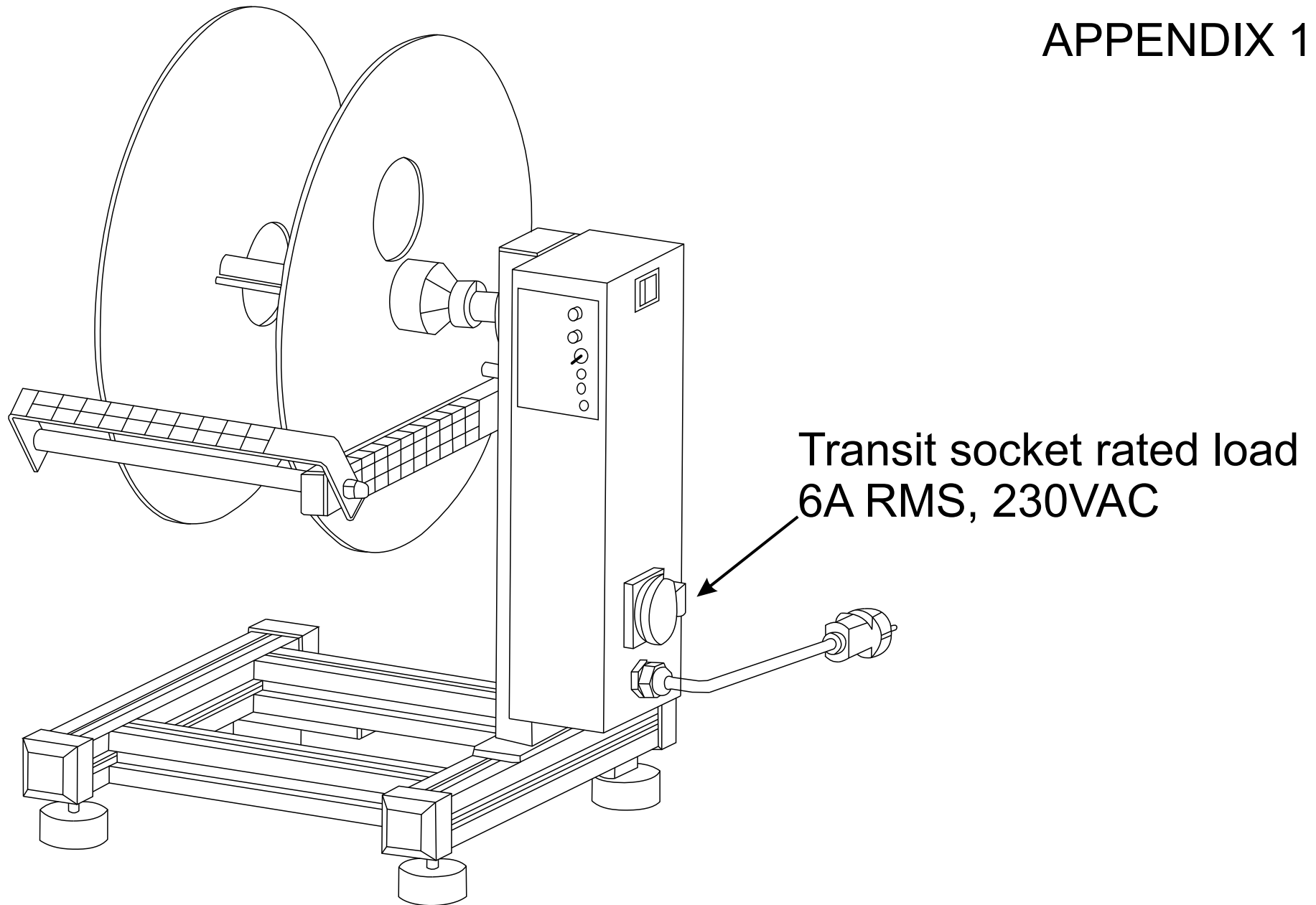


The device is assembled and ready to be configured.



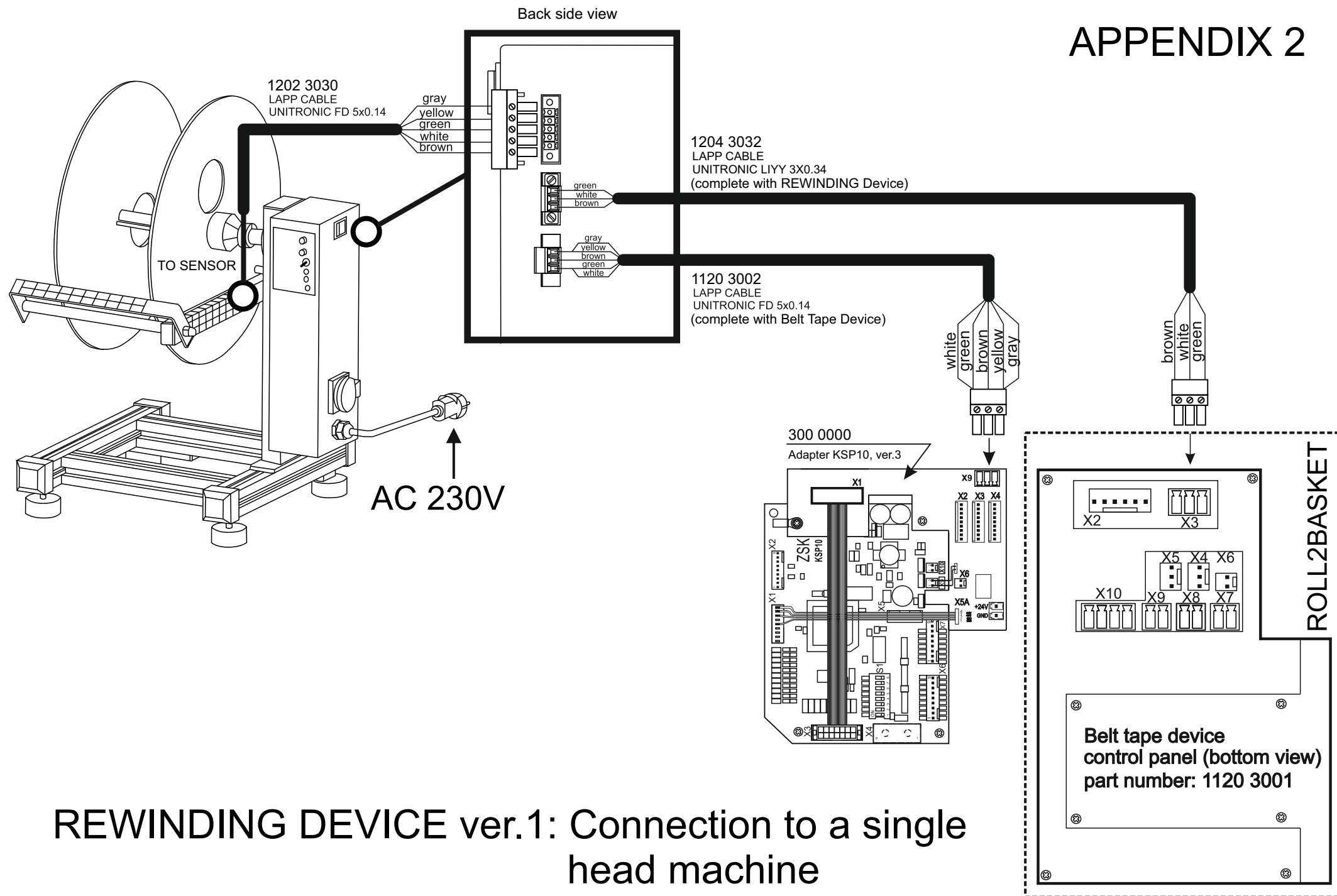


APPENDIX 1



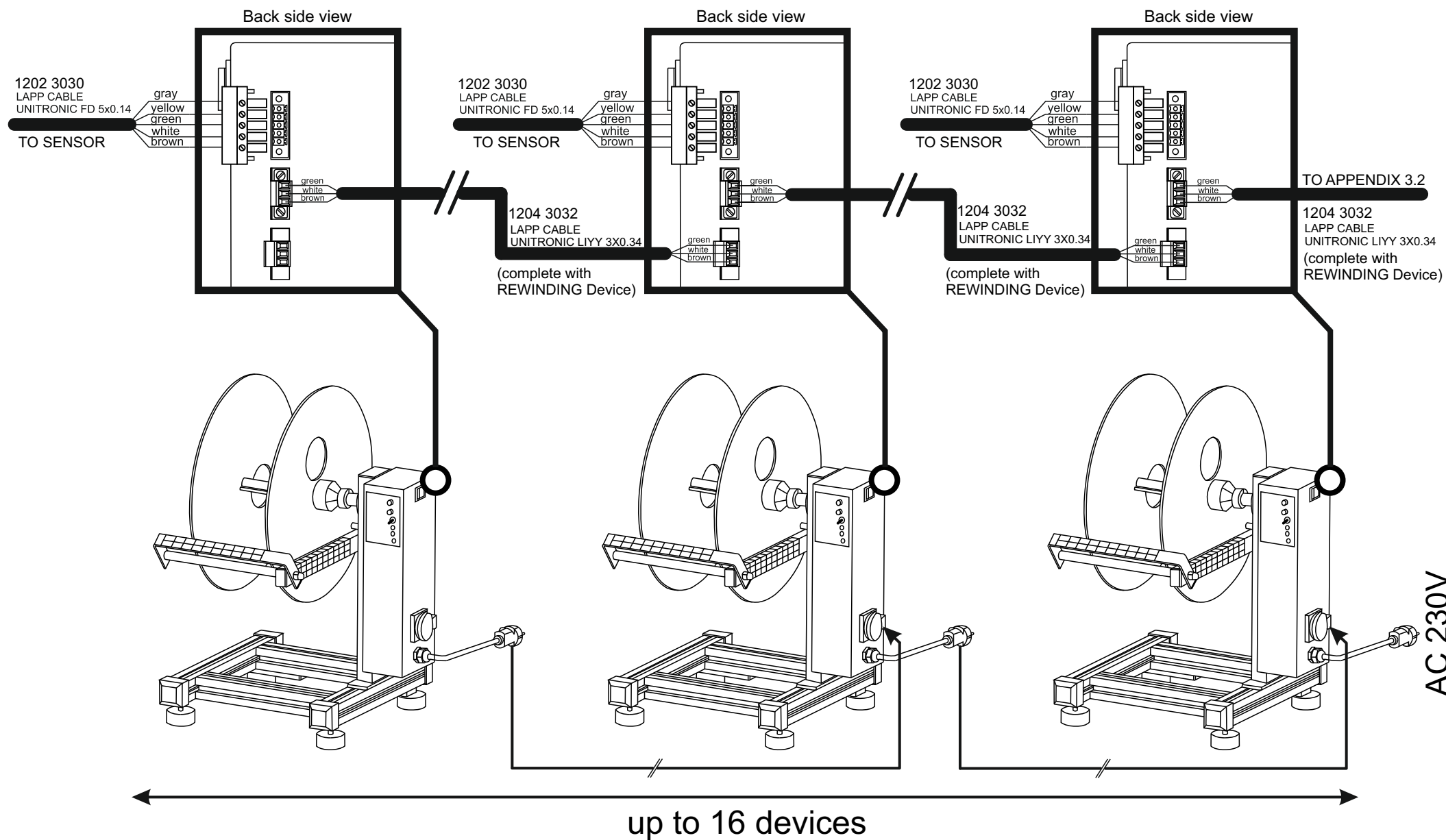
REWINDING DEVICE ver.1: General view

APPENDIX 2



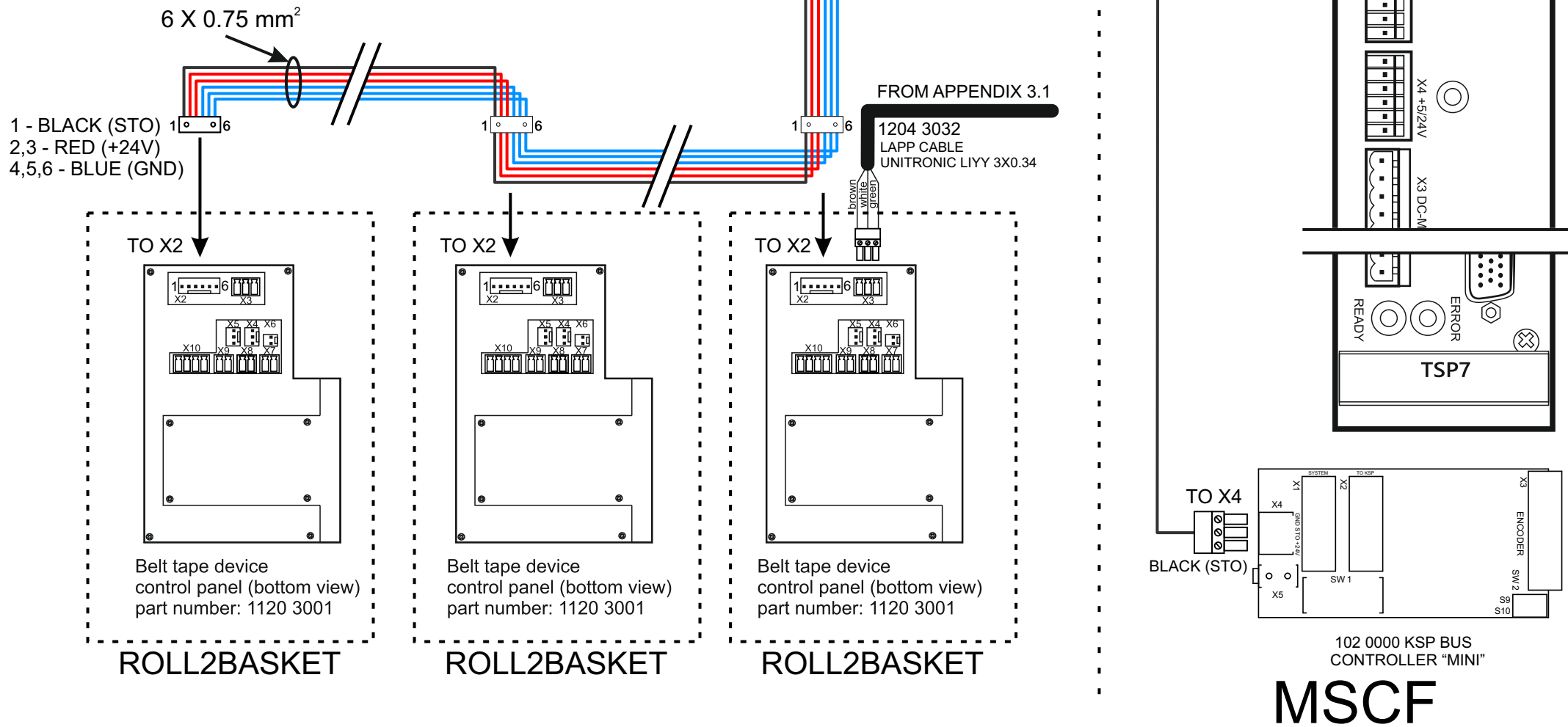
REWINDING DEVICE ver.1: Connection to a single head machine

APPENDIX 3.1



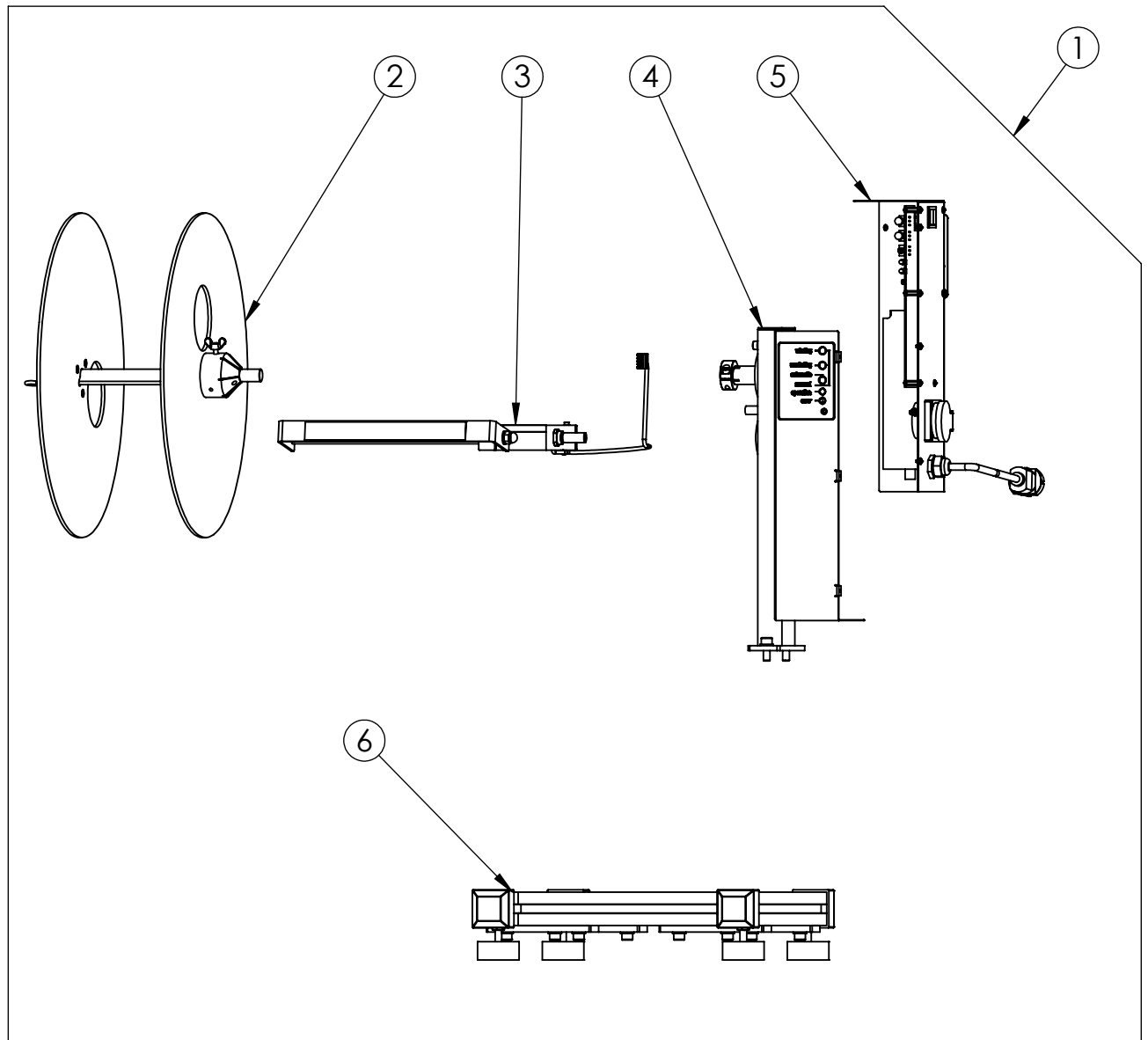
REWINDING DEVICE ver.1: Connection to a multi head machine

APPENDIX 3.2



REWINDING DEVICE ver.1: Connection to a multi head machine

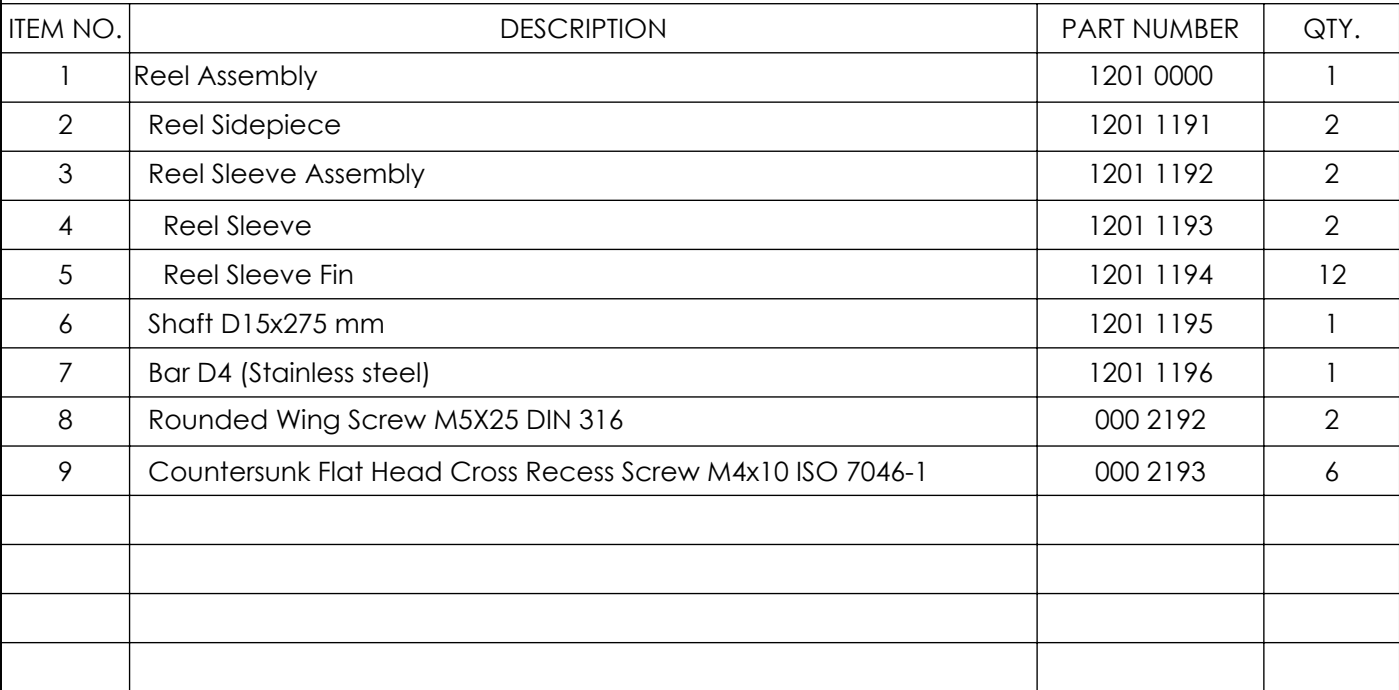
Tape Winding Device



ITEM NO.	DESCRIPTION				PART NUMBER	QTY.
1	Tape Winding Device				1200 0000	1
2	Reel Assembly				1201 0000	1
3	Movable Lever				1202 0000	1
4	Winder Rack Assembly				1203 0000	1
5	Control Panel Assembly				1204 0000	1
6	Aluminum Frame Assembly				1205 0000	1

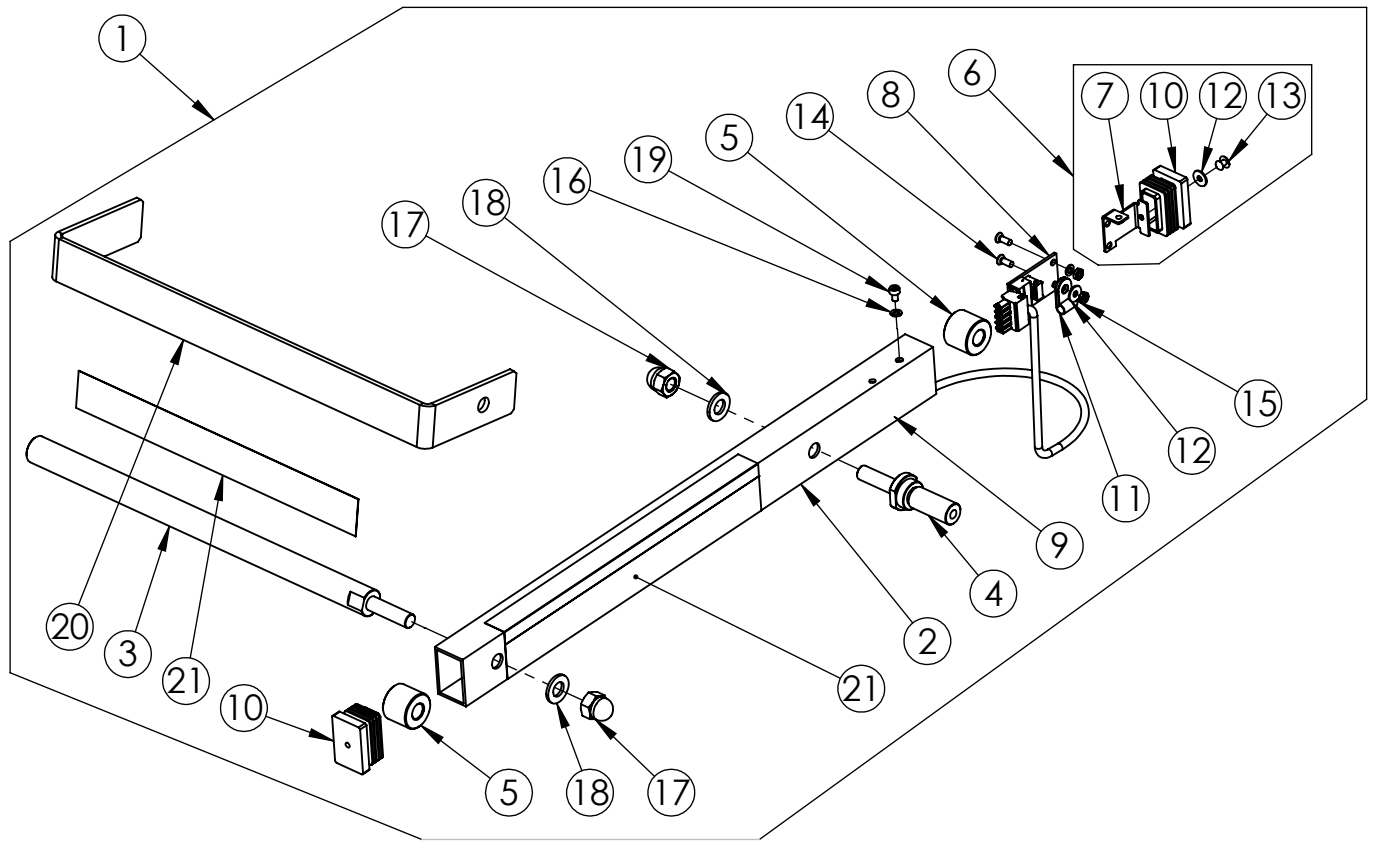
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Reel Assembly



Reel Assembly

Movable Lever Assembly



ITEM NO.	DESCRIPTION	PART NUMBER	QTY.
1	Movable Lever Assembly	1202 0000	1
2	Rectangular Pipe 30x15x1.5 (Aluminum)	1202 1197	1
3	Shaft D15x268 (Stainless steel)	1202 1198	1
4	Lever Axle	1202 1199	1
5	Spacer Sleeve	1202 1200	2
6	Angle Sensor PCB Mount Assembly	1202 1202	
7	Angle Sensor PCB Mounting Bracket	1202 1203	1
8	Angle Sensor PCB	1202 3029	1
9	Lever to Control Panel Cable	1202 3030	1
10	Rectangular Plug 30x20	1202 2194	2
11	Cable clamp 4 mm	1204 2001	1
12	Plain Washer Large 3.2 DIN 9021	000 2023	2
13	Mushroom Head Rivet 3x8 DIN 674	1202 2195	1
14	Countersunk Flat Head Cross Recess Screw M3x8 ISO 7046-1	000 2154	2
15	Chamfered Hexagon Thin Nut M3 ISO 4035	000 2024	2
16	Plain Washer Small 3.2 DIN 433	000 2009	2
17	Hexagon Domed Cap Nut M8 DIN 1587	000 2196	2
18	Washer 8.4 DIN 125	000 2197	2
19	Hexagon Socket Head Cap Screw M3x5 DIN 912	000 2017	1
20	Protective Strip	1202 1225	1
21	Label 22x200	1202 1226	3

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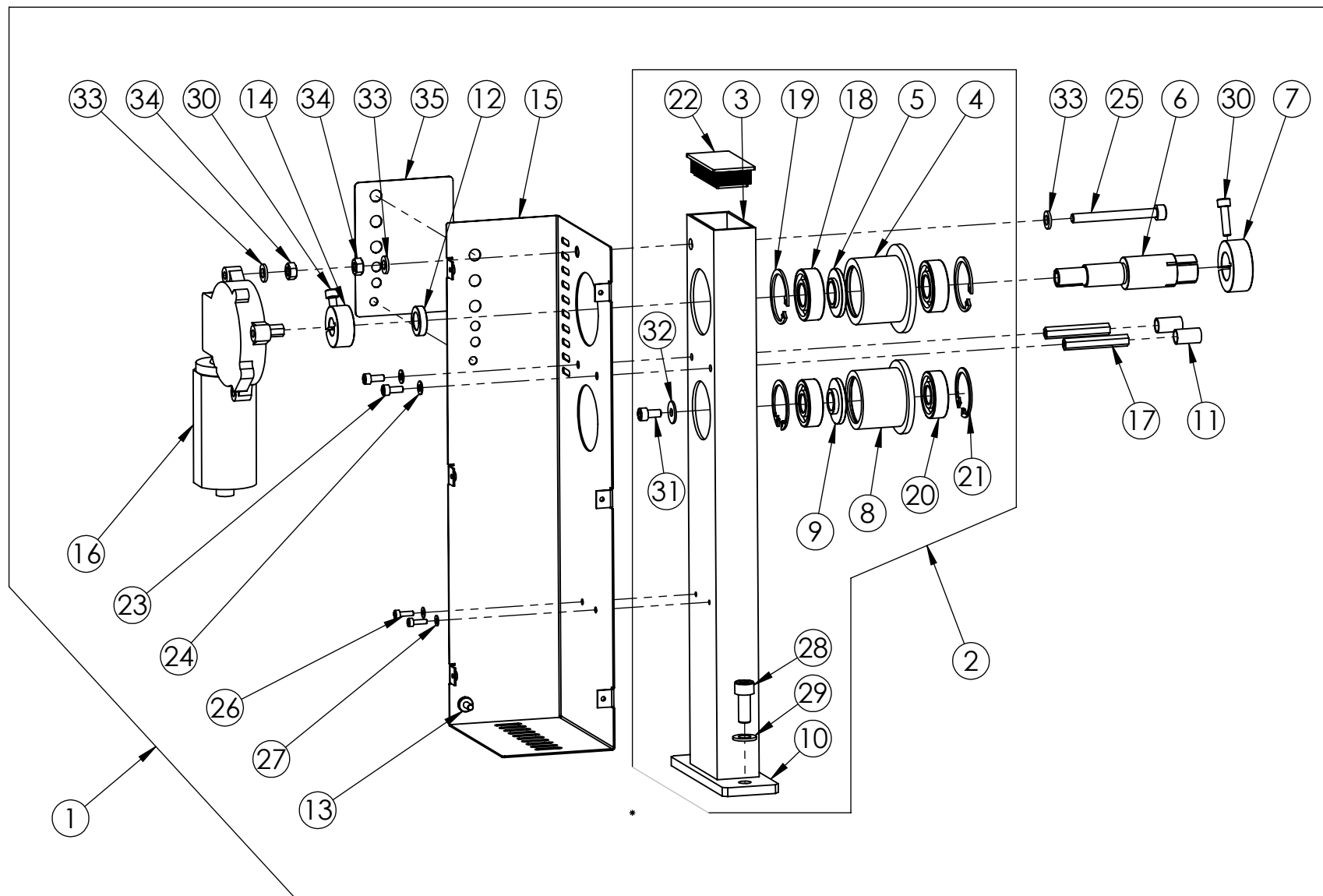
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Movable Lever Assembly

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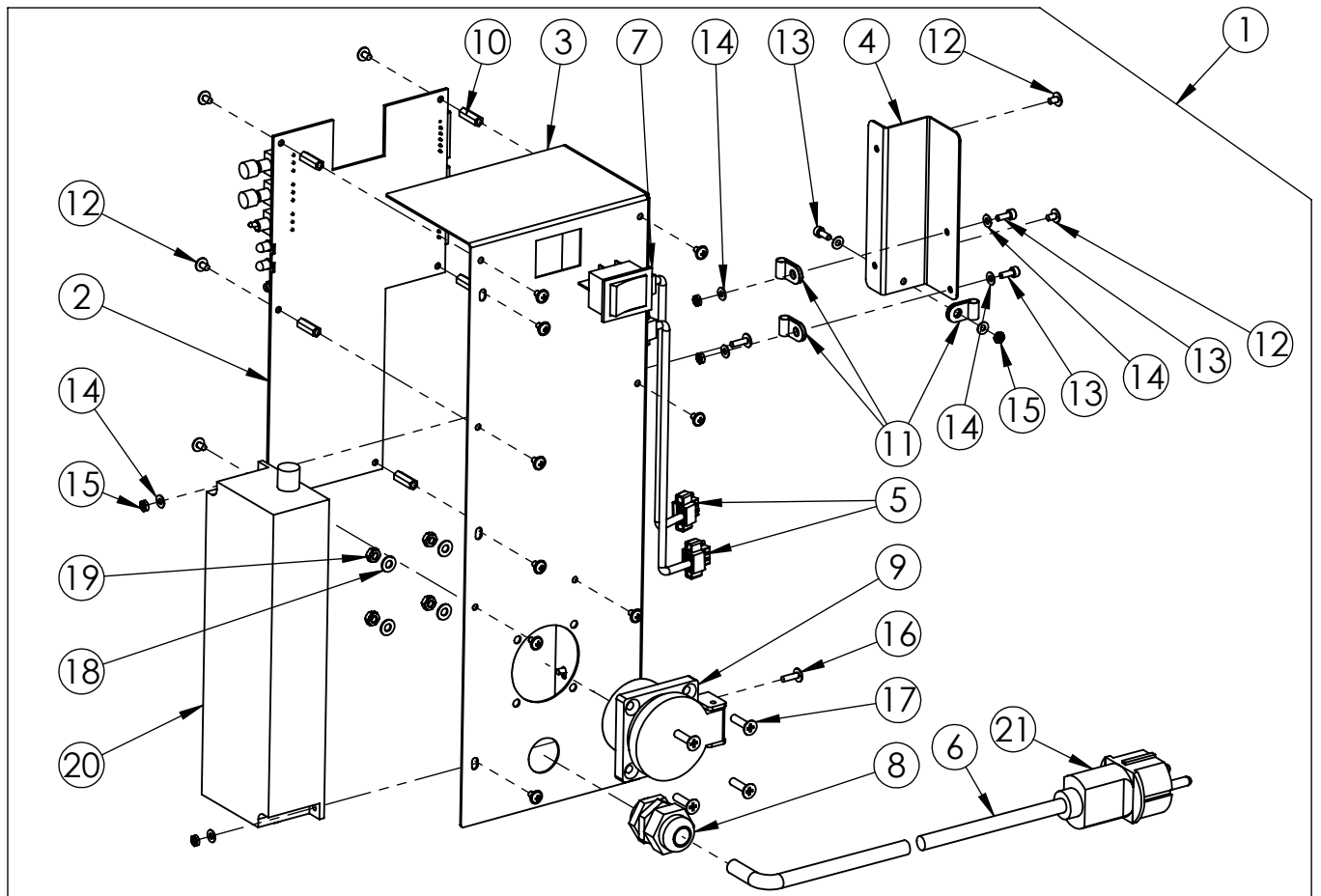


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Winder Rack

Winder Rack									
ITEM NO.		DESCRIPTION			PART NUMBER		QTY.		
1		Winder Rack Assembly			1203 0000		1		
2		Rectangular Pipe 60x30 Assembly			1203 1204		1		
3		Rectangular Pipe 60x30			1203 1205		1		
4		Bearing's Body			1203 1206		1		
5		Spacer Washer			1203 1207		1		
6		Collet			1203 1211		1		
7		Clamping Collar			1203 1212		1		
8		Leveler Bearing's Body			1203 1209		1		
9		Spacer Washer			1203 1210		1		
10		Rectangular Pipe Foot			1203 1208		1		
11		Standoff's Bumper			1203 1213		2		
12		Ring 20x12			1203 1215		1		
13		Ground Terminal			1203 1214		1		
14		Clamping Collar 28x12			1203 1216		1		
15		Control Panel Baseplate			1203 1217		1		
16		DC Motor Right			1203 4008		1		
17		Standoff M4x45 Female-Female			1203 2198		2		
18		Radial Contact Ball Bearing 6220 DIN 625			1203 2199		2		
19		Circlip 35x1.5 DIN 472			1203 2200		2		
20		Radial Contact Ball Bearing 6201 DIN 625			1203 2201		2		
21		Circlip 32x1.2 DIN 472			1203 2202		2		
22		Rectangular Pipe Cap			1203 2203		1		
23		Hexagon Socket Head Cap Screw M4x10 DIN 912			000 2006		2		
24		Washer 4.3 DIN 125			000 2007		2		
25		Hexagon Socket Head Cap Screw M6x60 DIN 912			000 2213		1		
26		Hexagon Socket Head Cap Screw M3x10 DIN 912			000 2020		2		
27		Washer 3.2 DIN 125			000 2009		2		
28		Hexagon Socket Head Cap Screw M8x20 DIN 912			000 2204		2		
29		Washer 8.4 DIN 125			000 2197		2		
30		Hexagon Socket Head Cap Screw M5x20 DIN 912			000 2205		2		
31		Hexagon Socket Head Cap Screw M5x10 DIN 912			000 2047		1		
32		Plain Washer Large Series 5.3 DIN 9021			000 2206		1		
33		Washer 6.4 DIN 125			000 2014		3		
34		Hexagon Nut M6 ISO 4032			000 2212		2		
35		Label			1203 1223		1		
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Control Panel



ITEM NO.	DESCRIPTION	PART NUMBER	QTY.
1	Control Panel Assembly	1204 0000	1
2	Control Panel PCB Assembly	1204 3031	1
3	Control Panel Cover	1204 1218	1
4	Conectors Cover	1204 1219	1
5	Control Panel Cabel	1204 3032	2
6	Power Cable	1204 3033	1
7	Power Switch R5 Series	1204 3034	1
8	Cable Bushing	1204 3035	1
9	Socket	1204 3036	1
10	Standoff M3x15 Female-Female	1204 2086	6
11	Cable clamp 4 mm	1204 2001	3
12	Pan Head Cross Recess Collar Screw M3x5 DIN 967	000 2011	20
13	Hexagon Socket Head Cap Screw M3x8 DIN 912	000 2008	3
14	Washer 3.2 DIN 125	000 2009	8
15	Hexagon Thin Nut M3 ISO 4035	000 2024	5
16	Pan Head Cross Recess Collar Screw M3x10 DIN 967	000 2207	2
17	Countersunk Flat Head Cross Recess Screw M4x16 ISO 7046-1	000 2134	4
18	Washer 4.3 DIN 125	000 2007	4
19	Hexagon Nut M4 ISO 4032	000 2185	4
20	Power Suply LVP-150-24	1204 3037	1
21	Power Plug	1204 3038	1

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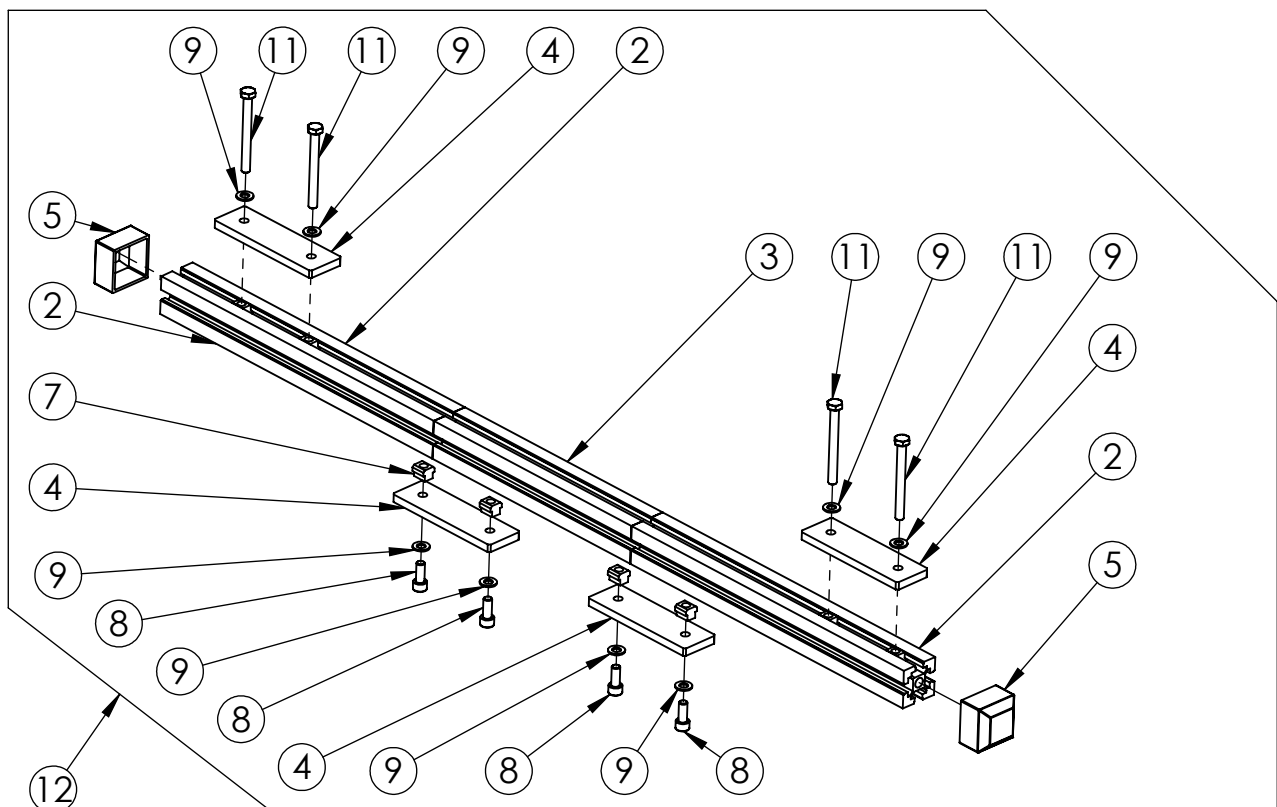
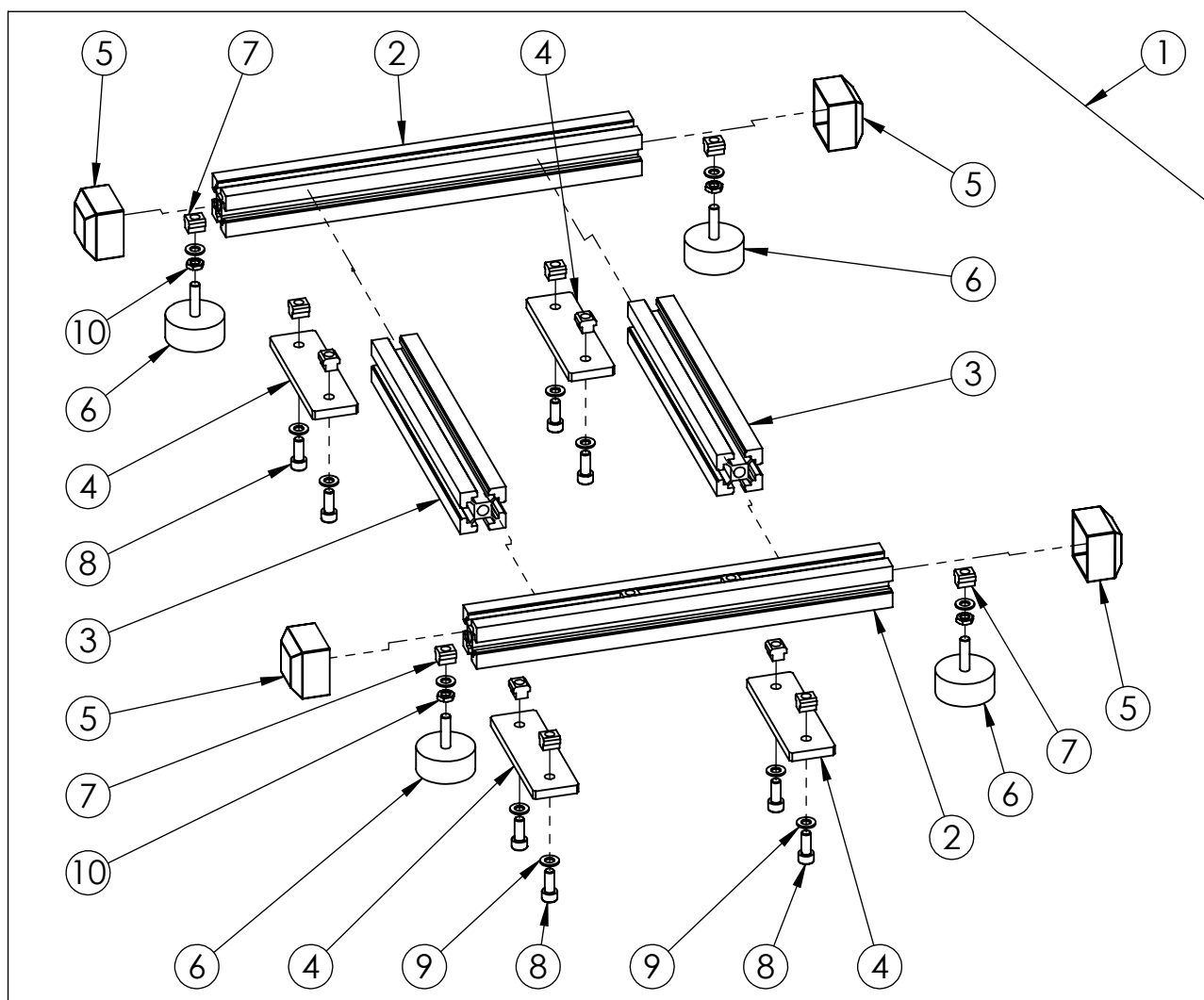
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Control Panel

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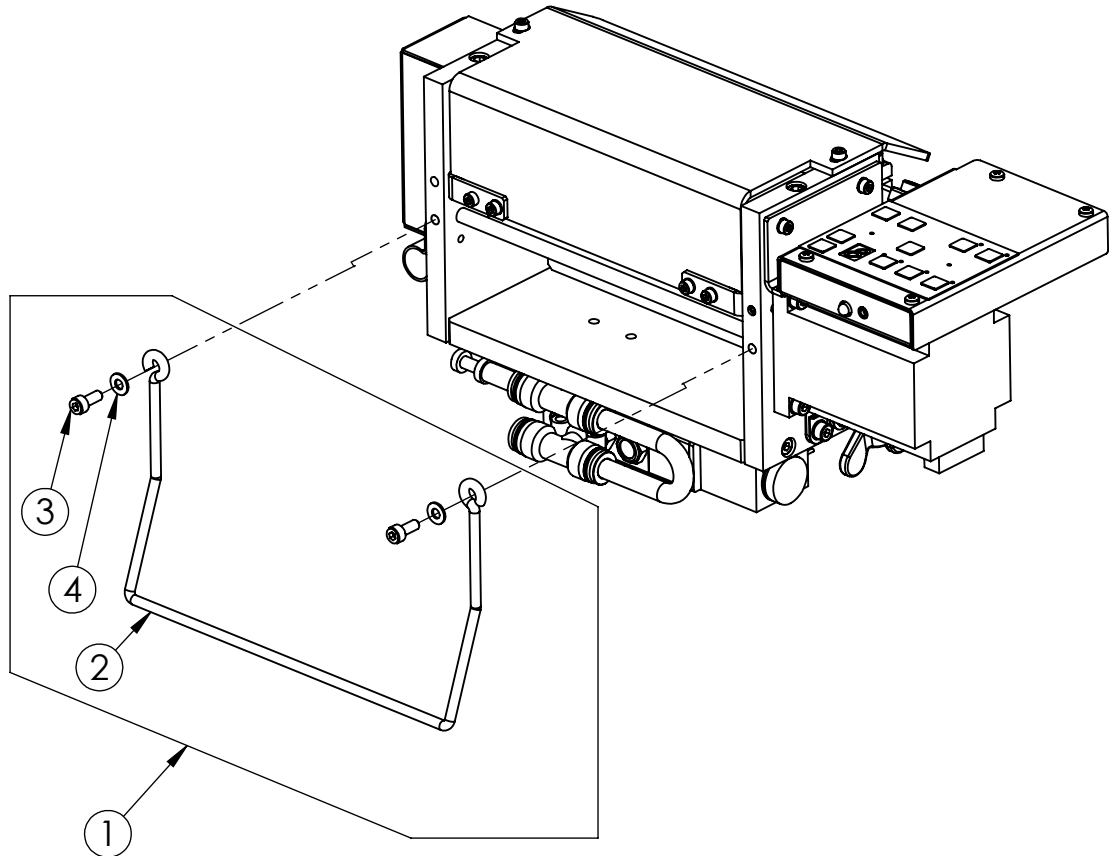
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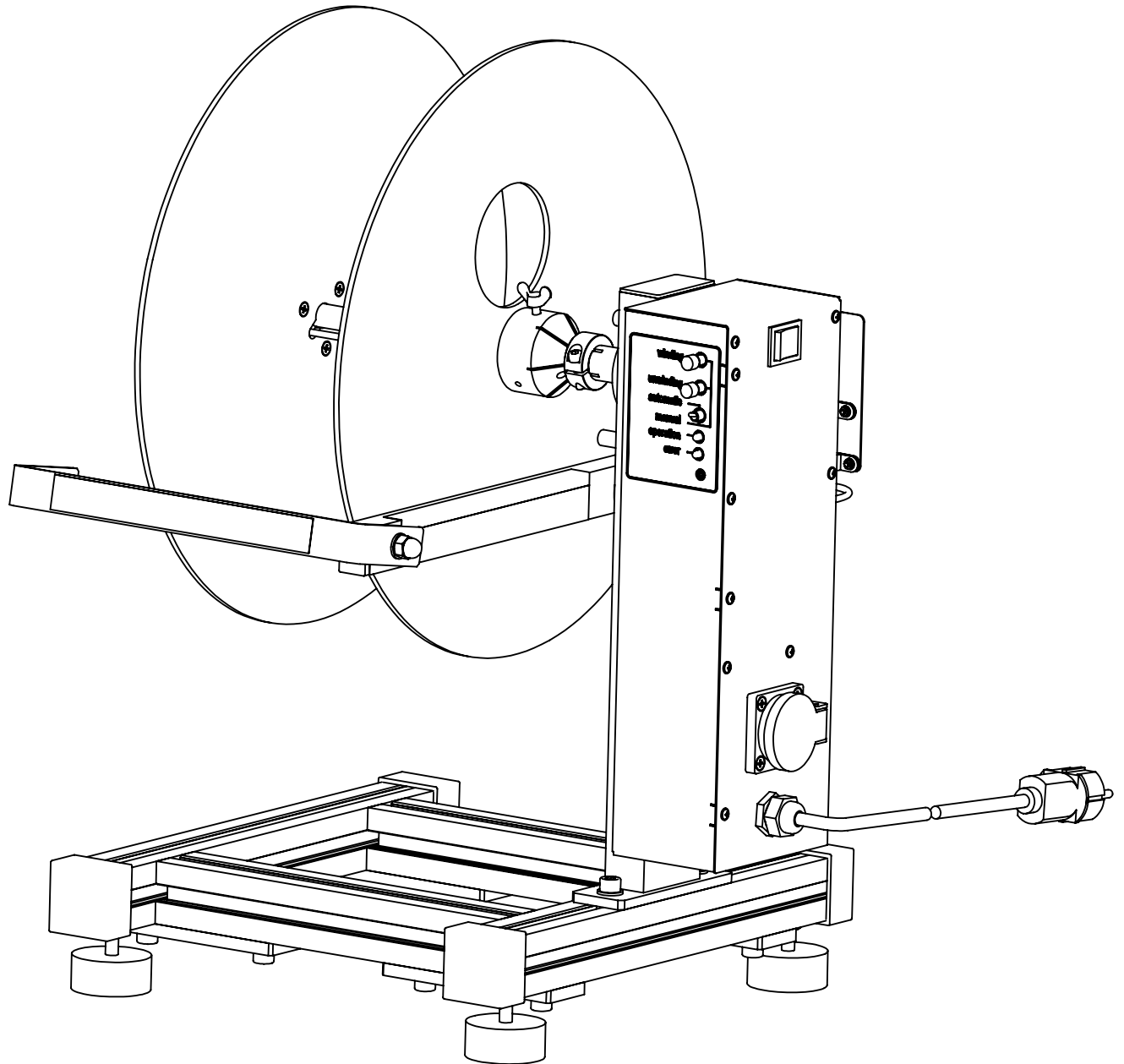
Frame and Profile Beam								
ITEM NO.		DESCRIPTION			PART NUMBER		QTY.	
1		Aluminum Frame Assembly			1205 0000			
2		Aluminum Profile 365mm			1205 1220		2	
3		Aluminum Profile 265mm			1205 1221		2	
4		Coupling Plate			1205 1222		4	
5		Square Cap 40x40			1205 2208		4	
6		Hight Adjustable Foot			1205 2209		4	
7		T-Slot Nut M8x10 DIN 508			000 2210		14	
8		Hexagon Socket Head Cap Screw M8x20 DIN 912			000 2204		8	
9		Washer 8.4 DIN 125			000 2197		12	
10		Hexagon Thin Nut M8 ISO 4035			000 2156		4	
11		Hexagon Head Bolt M8x100 ISO 4014			000 2211		4	
12		Profile Beam Assembly			1205 0001		1	
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Tape Guide



ITEM NO.	DESCRIPTION	PART NUMBER	QTY.
1	Tape Guide Assembly	1206 0000	1
2	Bracket (rod D4 mm) Stainless Steel	1206 1224	1
3	Hexagon Socket Head Cap Screw M4x10 DIN 912	000 2006	2
4	Washer 4.3 DIN 125	000 2007	2
6			
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Tape Winding Device



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