

Operating instructions
TECHSPAN Automatic welding machine type Laron

Machine type :

Serial no. :

Voltage :

Technical Data :

Voltage	V/Ac	230	400
Frequency	Hz	50/60	50/60
Power consumption	W	4600	5700
Drive	m/min	0,5 – 7 stepless	0,5 – 7 stepless
Welding temperature	°C	30 – 620 stepless	30 – 620 stepless
Air flow	%	60 – 100	60 – 100
Size LxWxH	mm	610 x 410 x 320	610 x 410 x 320
Weight	kg	35	35

We retain all copyrights of all descriptions, drawings and schedules contained in these operating instructions which may not be reproduced nor be made accessible by third parties or by competitors, neither in whole nor in part, unless we have expressly consented thereto.

Before start-up these operating instructions must be examined carefully because we will not assume any liability for any failures resulting from improper use. No warranty claims will be accepted if the automatic welding machine has been modified unless this has been done in consultation with the manufacturer / supplier.

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The tool can be used for the applications mentioned in the present operating instructions only !

These operating instructions should always be accessible by the operator.

For after-sales service and orders please contact:

TECHSPAN GROUP

Australia:

P O Box 1012, Mascot, NSW 1460

Phone: 1-800 148 791

Fax: 1-800 148 799

New Zealand:

P O Box 15-262, New Lynn, Auckland

Phone: (09) 827 6567

Fax: (09) 827 6596

Safety:

Pursuant to sec. 55 of VDE 0 100 (Regulations of the Association of German Electrotechnical Engineers), the automatic welding machine must be operated using a protective switch or an isolation transformer.

Protect the tool from wet and humidity!!!!

Operating the automatic welding machine is subject to applicable national regulations. Observe applicable regulations for the prevention of accidents as well as technical rules for safe and professional operation.

Directive 92/ 57/ EWG dated June 24, 1992, shall be applicable by analogy.

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Utilisation:

Automatic welding machines are manufactured according to the latest technology and in compliance with safety requirements.

Any improper use may result in dangers for the operator or third parties or may adversely affect machines and assets.

Only use the automatic welding machine if in technically perfect condition and for the purposes for which they are intended while observing the operating instructions.

For the neglect or for damages resulting from it the manufacturer / supplier will not accept any liability.

Any utilisation of the automatic welding machine, for other purposes than those for which it is intended, is subject to the consent of the manufacturer / supplier.

Work on electrical parts of welding machine may only be performed by an electrical engineer in compliance with electro-technical rules.

Indication of special risks:

All automatic welding machines may only be held and operated using the handles provided for this purpose.

A risk of burning exists on all uncovered metal parts. Avoid contact with these parts as they may achieve temperatures of up to 650°C.

Safety area:

The hot air stream of the automatic welding machine may not be directed to temperature-sensitive objects or living things. Ensure that a safety distance of 2 m is observed in all directions.

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Security:

Before connecting the tool to the mains, check the rated voltage.

The mains voltage must correspond to the rated voltage shown on the tool plate.

Pursuant to sec. 55 of VDE 0 100 the automatic welding machine must be operated using a protective switch or an isolation transformer.

Extension cords:

When using extension cords the minimum diameter of cables must be observed.

Extension cords must be approved and marked for their place of utilisation.

Stop operating the automatic welding machine if:

- connecting line or plug have been damaged
- safety installations have been damaged
- changes occur in the operating state

Never spray water on automatic welding machine

(risk of short circuit)

Never use the automatic welding machine in hazardous or inflammable areas.

Do not leave the tool unobserved !!!

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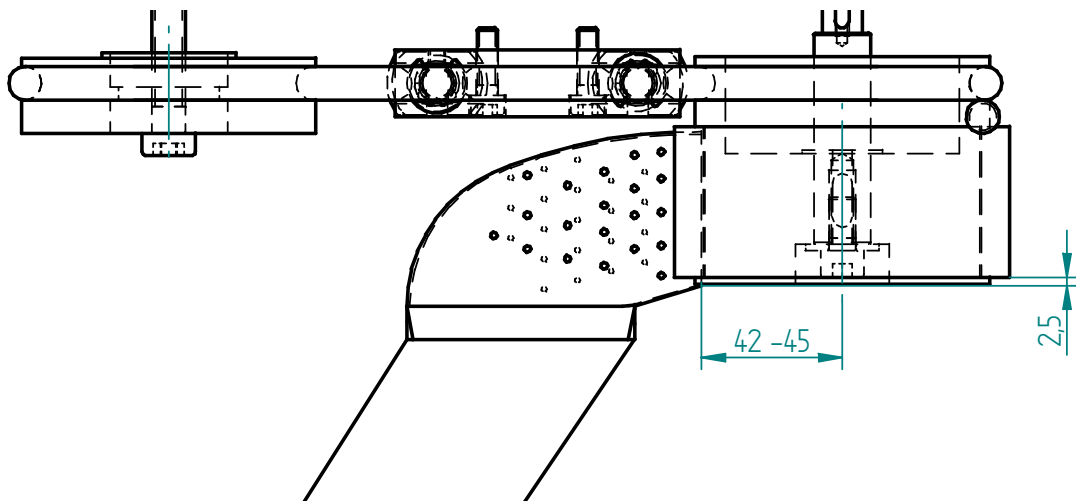
Before operating the machine examine the tool adjustment

Basic adjustment:

Proceed with adjustments only in cold condition (burn danger!).

Nozzle adjustment:

- Changes of the nozzle adjustments can be done if screws are loosen
- For recommended settings use the following sketch



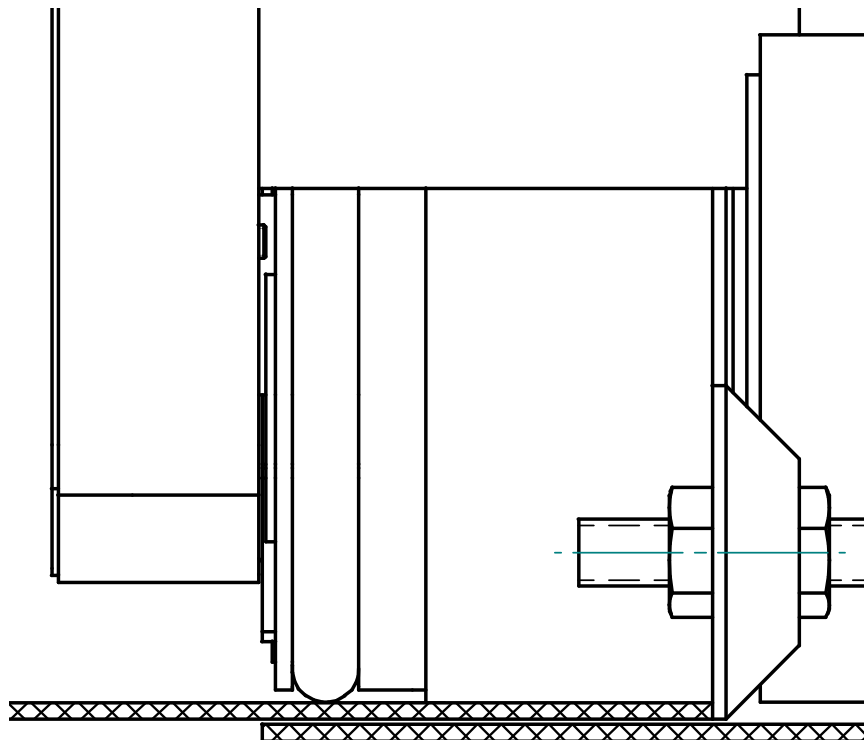
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Guide roller adjustment:

- Bring the automatic welding machine into the welding position.
- Push the transport roller to the right in welding position
take care that the spring sheet engages.
- push the guide roller downward and fix it with the hexagon nut on the
threaded bar.

Outside edge of the overlap, outside edge of pressure roll and
outside edge of guide roller must form a line.

(see following sketch).



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Start up of the automatic welding machine

Observe the section concerning safety of these operating instructions.

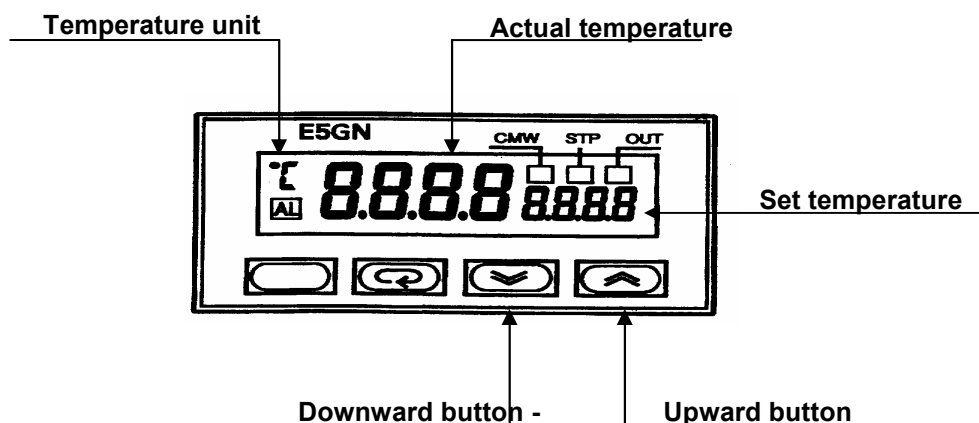
Before connecting the tool to the mains supply please check that:

- The main switch is on Pos. 0 OFF
- Drive switch is on Pos. 0
- Heating switch is on Pos. 0
- Potentiometer of the air flow is on Pos. 0 (100%)
- The hot air blower is on Pos. stand by (lifted up)
- Put the plug is into the socket and put the main switch on pos. 01

The tool now heats up to the last selected set temperature.

To change the set temperature check the section of the controller adjustment.

Controller adjustment:

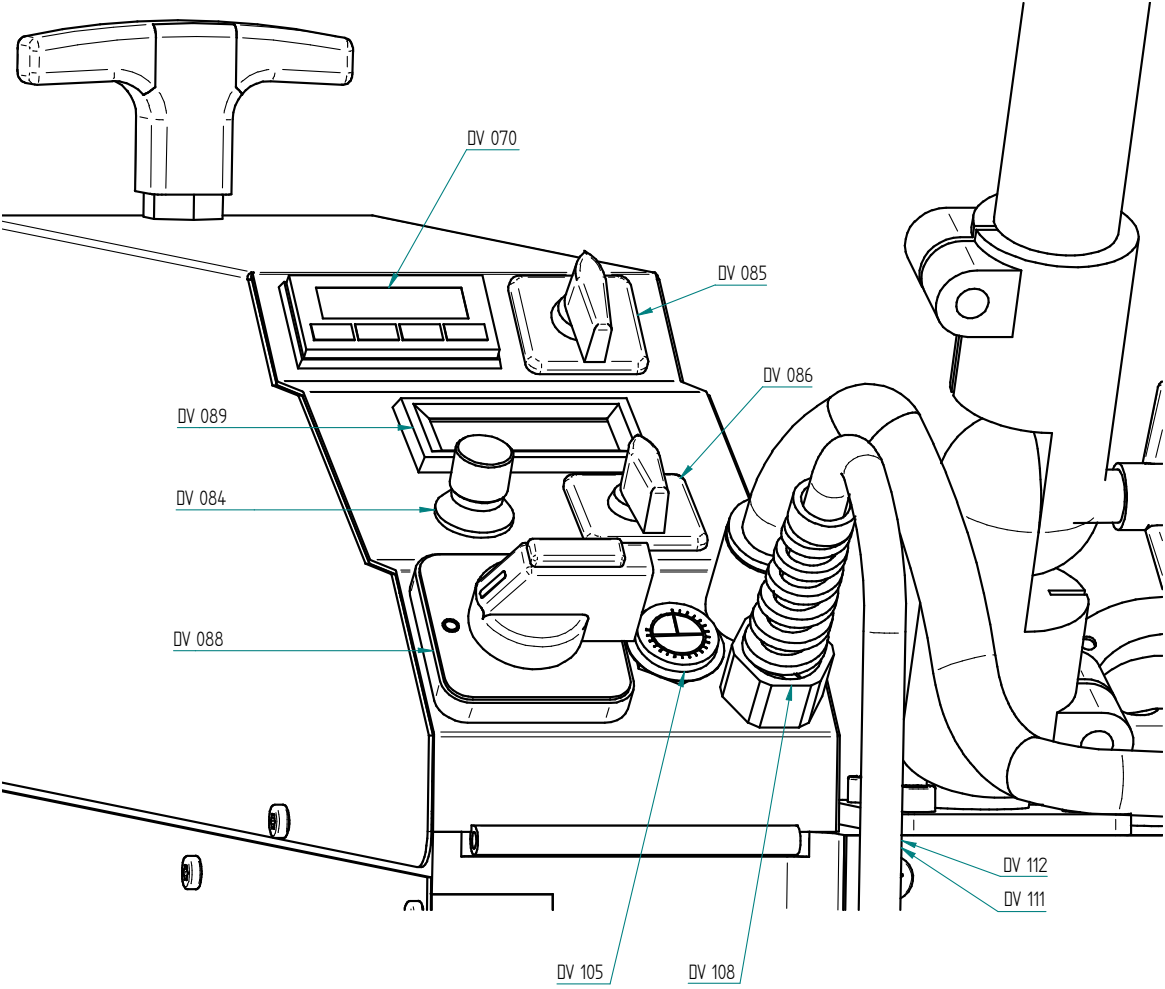


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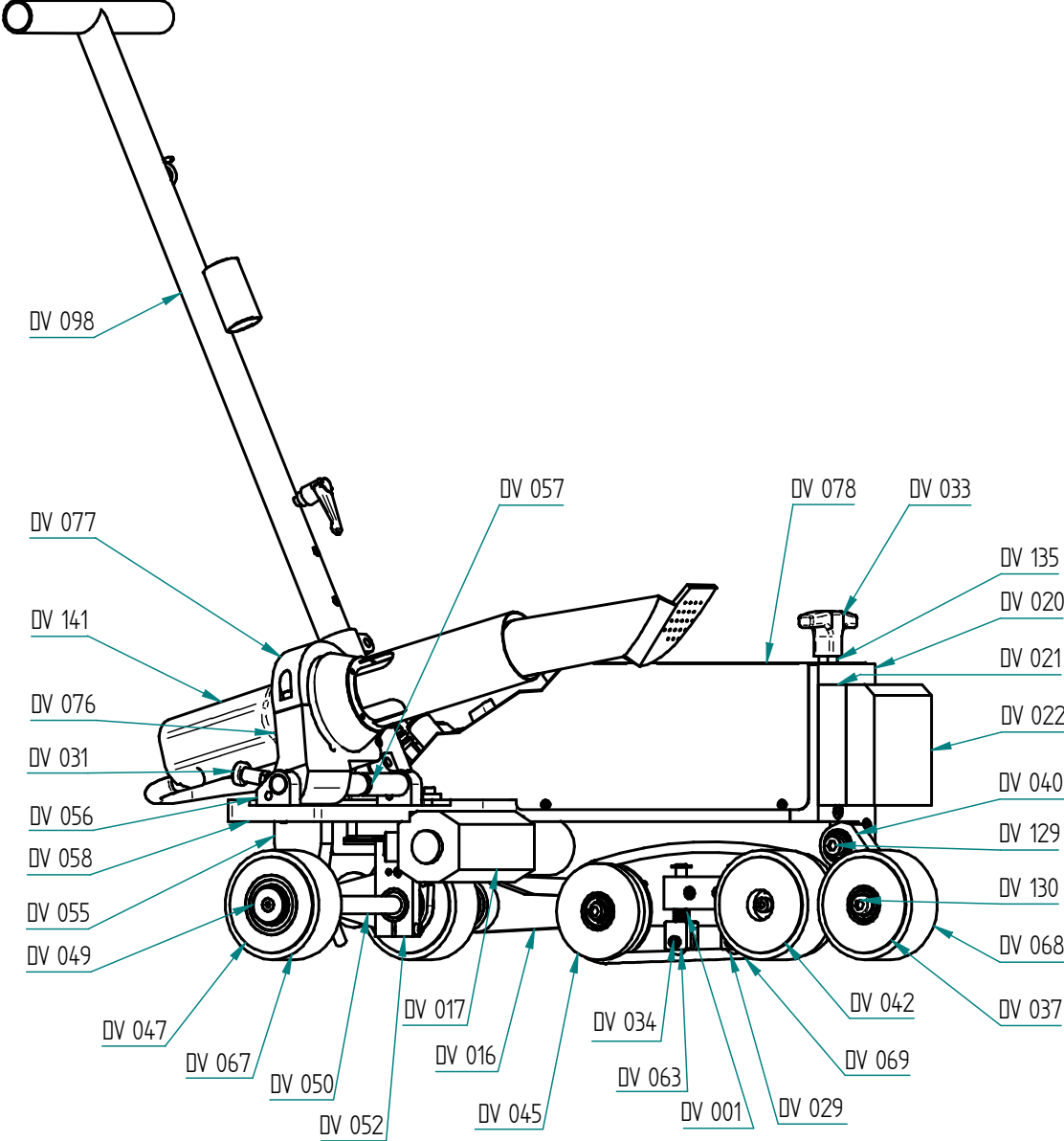
Select on the potentiometer the desired welding speed.

On switching position ON the drive starts immediately and is constantly running

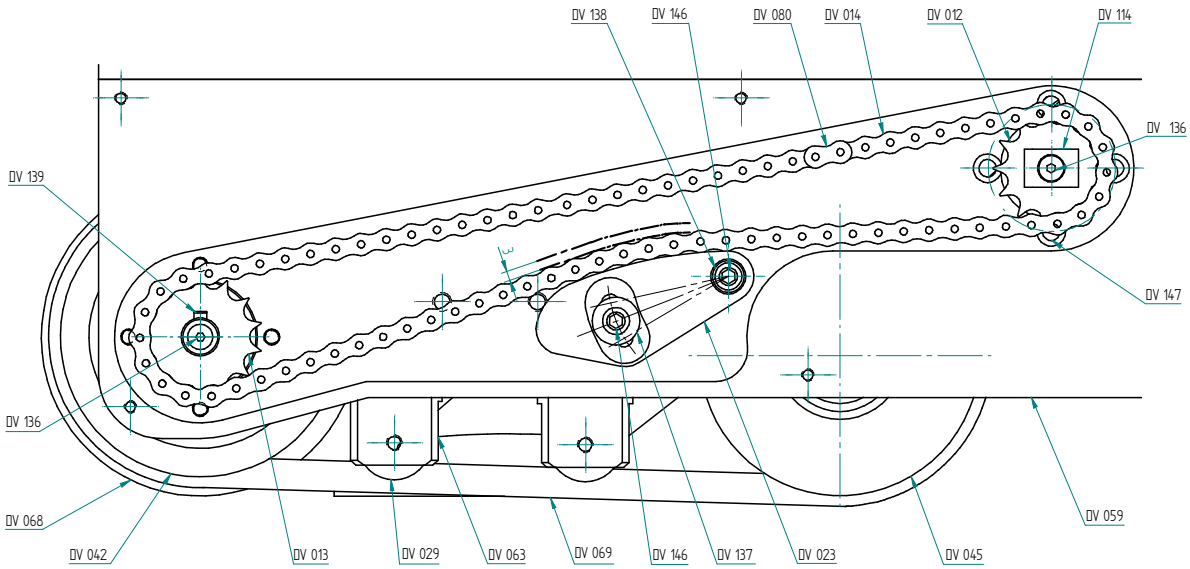
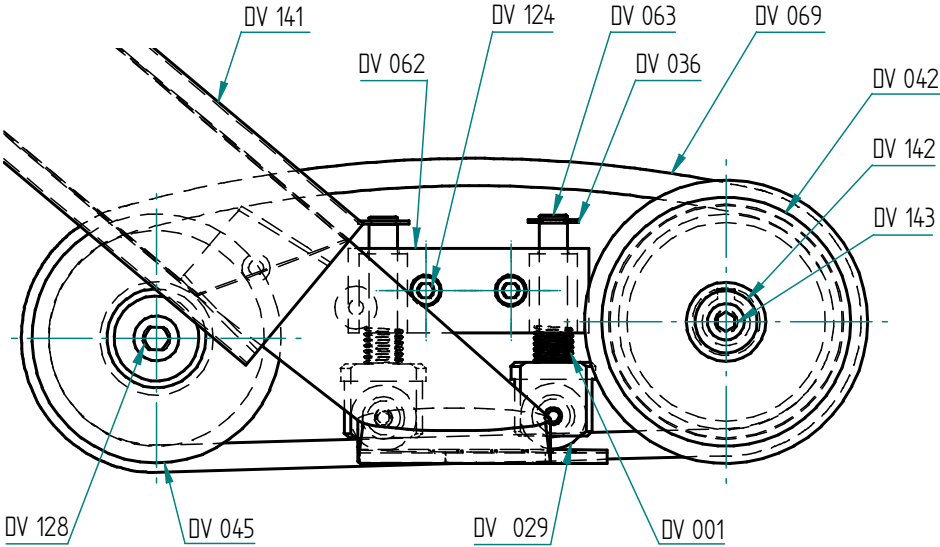
On switching position AUTO the drive starts only after sliding the nozzle
in to the welding seam and stops immediately after taking out the nozzle.



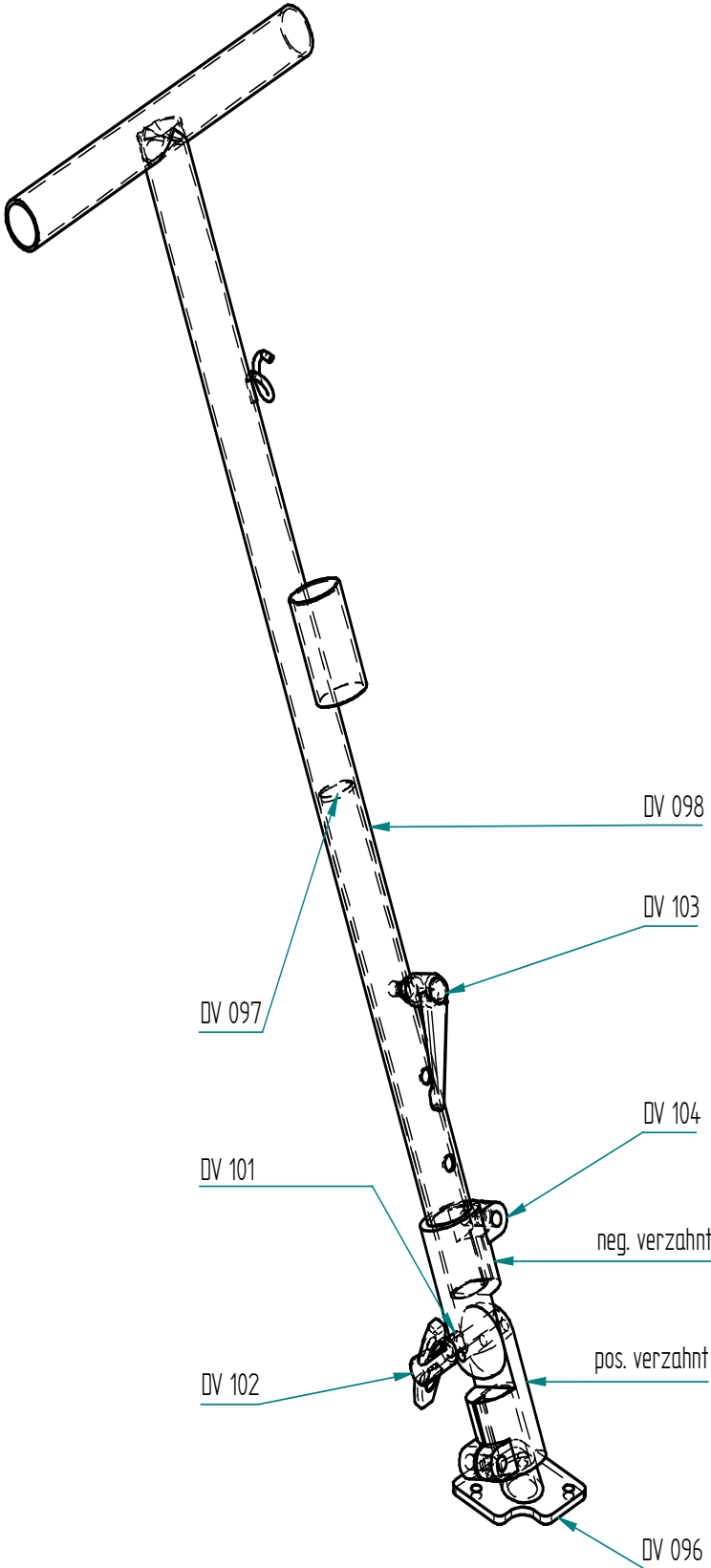
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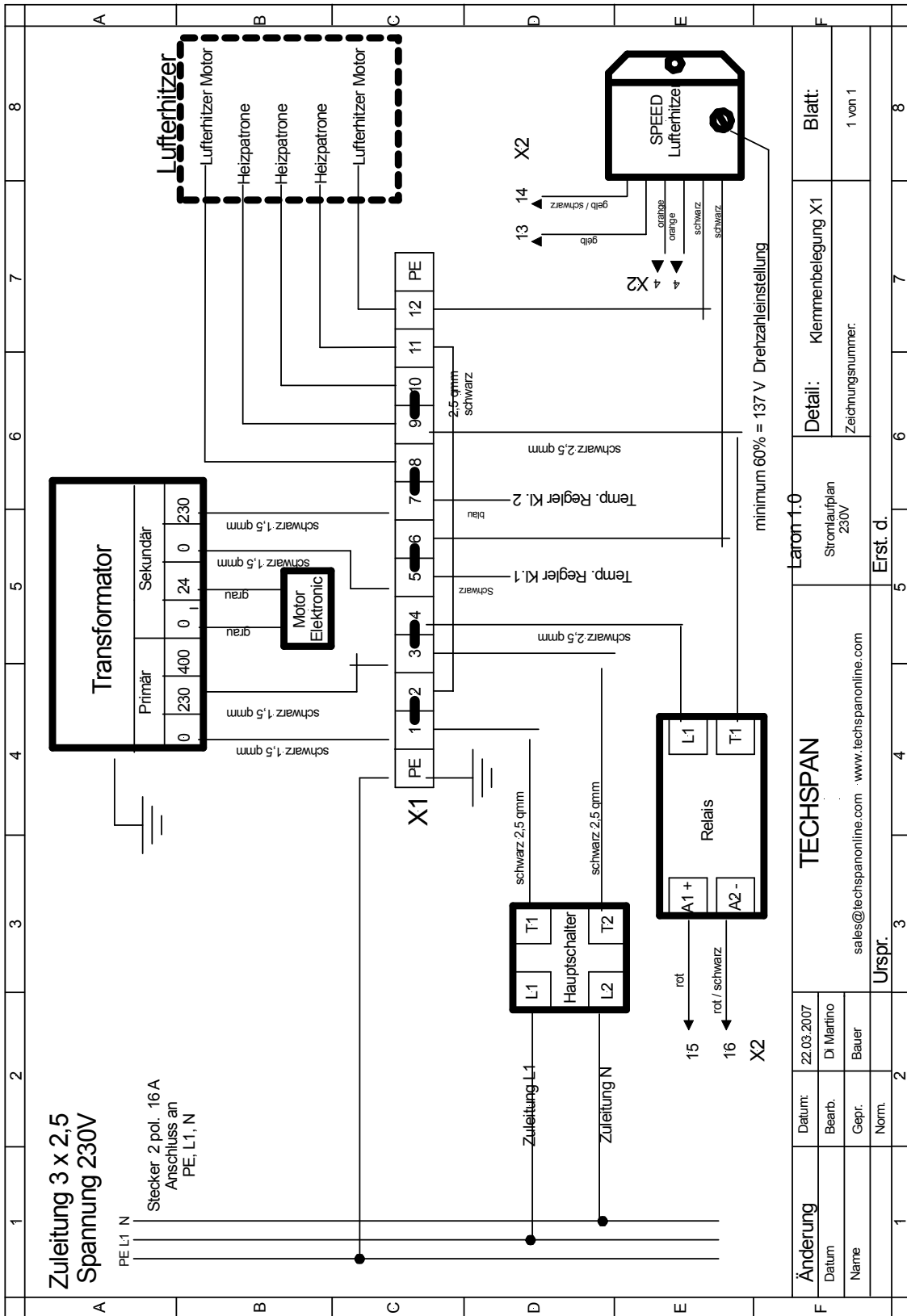


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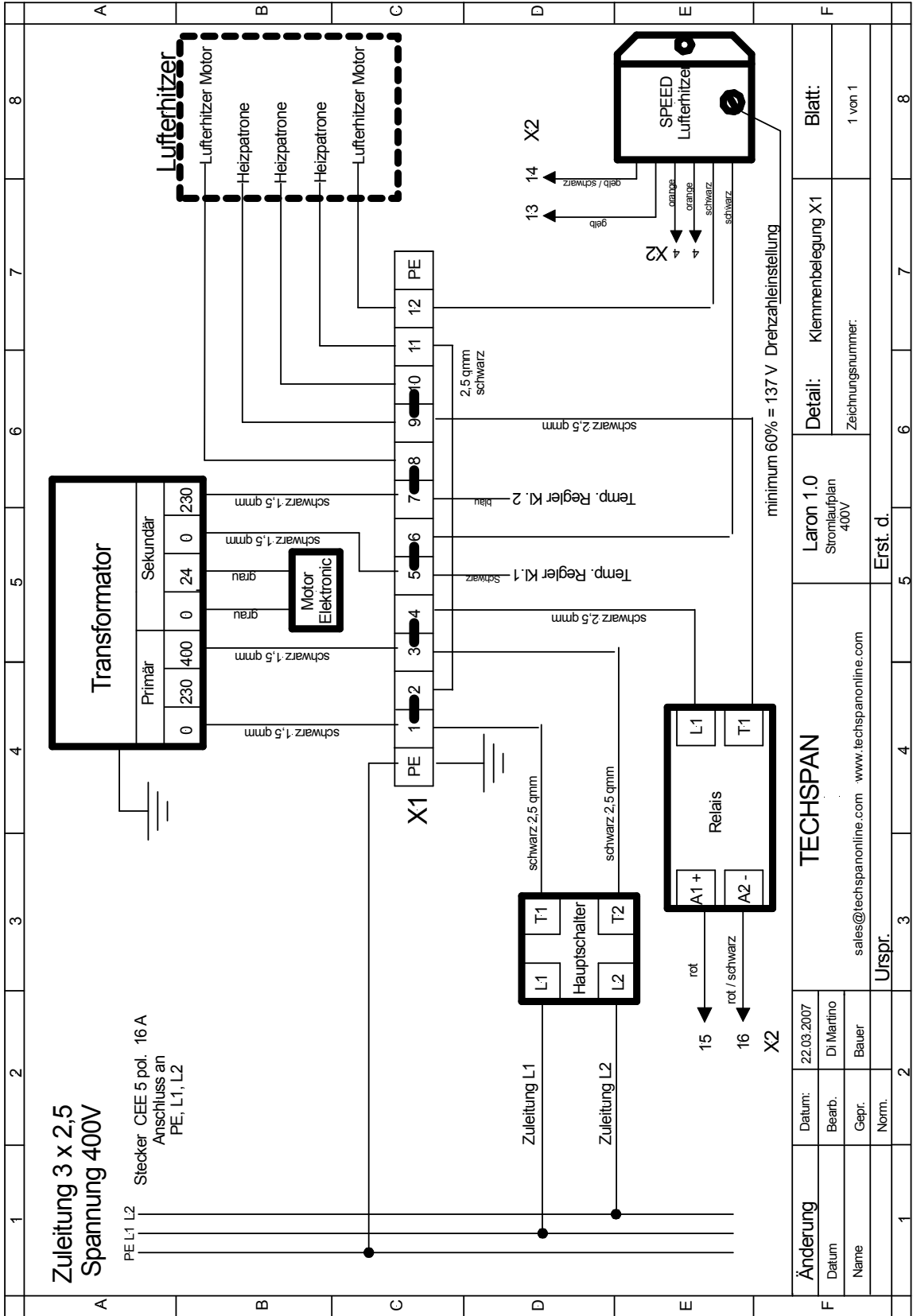
Artikel-Nr. – Folienschweißautomat Typ Laron DVX 001			
Art.-Nr.	Bezeichnung	Art.-Nr.	Bezeichnung
DV 001	Druckfeder	DV 077	Klemmrin Eron, Oberteil
DV 012	Kettenrad, Z=13	DV 078	Gehäuse Laron
DV 013	Kettenrad, Z=14	DV 080	Kettenschloss
DV 014	Einfach-Rollenkette	DV 084	Aluknopf
DV 016	Schwinge Rundriemen	DV 086	Nockenschalter, Hand Aus Auto
DV 017	Planetengetriebemotor	DV 088	Hauptschalter
DV 020	Kopfplatte	DV 089	LCD-Anzeige
DV 021	Gewicht 1	DV 096	Lenkstange Grundplatte
DV 022	Gewicht 2	DV 097	Lenkstange Unterteil
DV 023	Kettenspanner	DV 098	Griff-Lenkstange
DV 029	Führungsrolle	DV 101	Nirosta-Distanzhülse
DV 031	Rastbolzen mit Kontermutter	DV 102	Flügelmutter m. Gewindestift
DV 033	T-Griff	DV 103	Verstellbarer Klemmhebel
DV 034	Pass- Schulterschraube, M5x16	DV 104	Gelenk-Klemmverbinder
DV 036	Seeger-Sicherungsscheibe RA9	DV 105	Knopfskala
DV 037	Schlepprolle	DV 108	Kabelverschr. m. Knickschutz
DV 040	Schwinge Schlepprolle	DV 111	Netzleitung 230V
DV 042	Druckrolle Antrieb	DV 112	Netzleitung 400V
DV 045	Rundriemenrolle	DV 114	Kettenradklammer
DV 047	Laufrolle	DV 124	Zylinderschraube, M6x20, DIN 912
DV 049	Scheibe Laufrolle	DV 125	Zylinderschraube, M6x40, DIN 912
DV 050	Welle Laufrolle	DV 128	Zylinderschraube, M10x20, DIN 7984
DV 052	Klemmblock	DV 129	Zylinderschraube, M12x35, DIN 7984
DV 055	Halterung	DV 130	Zylinderschraube, M12x70, DIN 7984
DV 056	Stehlager	DV 135	Flache Sechskantmutter, M10, DIN 936
DV 057	Welle Stehlager	DV 136	Senkschraube, M4x10, DIN 7991
DV 058	Grundplatte	DV 137	Scheibe A5,3 DIN 9021
DV 059	Getriebewand	DV 138	Scheibe A5,3 DIN 125
DV 062	Block Führungsstange	DV 139	Passfeder 4x4x10, DIN 6885
DV 063	Führungsstange	DV 141	Luftdüse Laron
DV 067	Gummiring weiß	DV 142	Scheibe B8,4 DIN 9021
DV 068	Silikonring	DV 143	Zylinderschraube M8x16, DIN 912
DV 069	Rundriemen	DV 146	Zylinderschraube M5x20, DIN 912
DV 070	Regler Laron	DV 147	Zylinderschraube M5x35, DIN 912
DV 076	Klemmrin Eron, Unterteil		

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Änderung		TECHSPAN		Laron 1.0		Detail: Klemmenbelegung X1		Blatt:	
Datum	22.03.2007			Stromlaufplan				1 von 1	
Name	Di Martino			400V				Zeichnungsnummer:	
Gepr.	Bauer			sales@techspanonline.com				www.techspanonline.com	
Norm.				Erst. d.					
1	2	3	4	5	6	7	8		

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