



SASE SC320 Scarifier / Shaver / Planner

Instruction manual (USA)





Declaration of Conformity according to EN ISO/IEC 17050-1

EC-Declaration of Conformity

Month.Year: .

For the machine described below

Product denomination:	Floor Planer
Model:	SC 320
Serial number:	

Herewith we declare, that the machine is complying with all the essential requirements of the

Machine Directive 2006/42/EC of the EUROPEAN PARLIAMENT of the 17th of Mai 2006

The person authorized to compile the relevant technical documentation (According to Appendix II Nr.

1. A. Nr. 2, 2006/42/EG):

Name, Surname:	Greb, Johannes
Function:	Technical Manager
Address:	Neuer Weg 17, 57518 Alsdorf, Germany

More information on the compliance with the directive is contained in **Appendix 1**.

This Declaration is given by the manufacturer:

Name:	Contec [®] Maschinenbau & Entwicklungstechnik GmbH
Address:	Hauptstraße 146, 57518 Alsdorf, Deutschland / Germany

Given by:

Name, Surname:	Greb, Johannes
Function:	Technical Manager

Alsdorf, 22.12.2010

Place/Date

Signature

Appendix 1 of the Declaration of Conformity

Month.Year: .

For the machine described below

Product denomination:	Floor Planer
Model:	SC 320

Herewith we declare, that the machine is complying with all the essential requirements of the:

Directive 2004/108/EC of the EUROPEAN PARLIAMENT of the 15th of December 2004 on Electromagnetic Compatibility

Directive 2006/42/EC of the EUROPEAN PARLIAMENT of the 17th of Mai 2006

Harmonised Standards used:

EN 12100 - 1 „Safety of Machinery – Basic concepts“

EN 12100 - 2 „Safety of Machinery – Technical principles“



2. Machine applications

Planing of horizontal, dry floors such as concrete and steel surfaces with or without a coating and asphalt using SASE[®] planing tools. The use of the machine outside is only possible in dry weather.

3. Technical Data

3.1 Planer

	SC 320
Width of cut	320 mm (12.5 in)
Width	61 cm (24 in)
Length	110 cm (43 in)
Height with handle	110 cm (43 in)
Weight with drum	230 kg (507 lbs)
Dust port \varnothing	70 mm (2.86 in)
Height Adjustment	Hand wheel and lever
Vibration damped handle	Rubber block on handle bracket
Electric motor	460 V, 13.2 kW (17.5 hp)
Honda petrol	13 hp
Other Motors	On request
Average value of acceleration a_{hv} *	8,6 m/s ²
Noise level L_{wa} *	109 dB(A)
Noise level Leq *	96 dB(A)

* Data: VÜA Verein zur Überwachung technischer Anlagen e.V.

3.2 Tools

Drum diameter	210 mm (8.5 in)
Cutter shaft diameter	20 mm (0.82 in)
Number of shafts	6
TCT Cutter	80/8
Milling cutter	80/20

All specifications are approximate and subject to confirmation. They should only be used as a guide.



4. Applications of the tools

TCT Cutters	Heavy duty, long life cutters for all concrete texturing, scabbling, planing and grooving applications. Also used for removal of road markings, roof chippings and brittle coatings
Milling cutters	Primarily for the removal of thermoplastic road / runway markings. Tipped with tungsten carbide they are cost effective and highly efficient. A range of cutter dimensions are available.
Beam flails	Heat treated cutters for the removal of paint coatings and laitance from new concrete. Also for removing grease, dirt and ice deposits.

5. Safety rules

Attention ! The SC 320 floor planer is constructed according to existing safety rules and regulations. These technical precautions should not be removed or changed under any circumstances. While operating the machines the following items should also be kept in mind:

1. The planers should always be operated with all safety covers and technical precautions.
2. The operator should never leave the machine during operation.
3. Before leaving the machine all rotary parts should be brought to a stand still. The electric models must be disconnected from the mains. Make sure that the machine cannot roll or move by itself.
4. After maintenance and adjustment all safety covers must be reattached.
5. If the noise level exceeds 90 dB(A) ear protectors must be worn.
6. In the event of a large amount of dust during operation connect a dust collector to the planer.



6. Operating

- a. After mounting the appropriate tools the operation of the planer can begin.
- b. The lever of the height adjustment (Appendix diagram No. 97 and 99) has to be in the upper position before the machine is switched on. The hand wheel of the height adjustment must also be turned anti-clockwise as far as possible.
- c. Switch the motor on. Lower the planer with the lever to the operating position. Turn the hand wheel of the height adjustment until the tools are lowered to the floor and until you achieve the required finish.

Attention: Lowering the tools too much decreases the performance of the machine. You will also destroy the shafts in the drum and the bearings of the machine.

Attention: Never switch the motor of the planer on while the tools still touch the floor. Always lift the machine and the tools clear from the floor and then switch the motor on.

- d. Heavy dust can be avoided by connecting a dust collector to the dust port.
- e. The vibration damped handle bar ensures an easier operation.

7. Changing the drum

Attention: Before any maintenance, the machine must be brought to a complete stand still. Always disconnect the machine if it is an electric model.

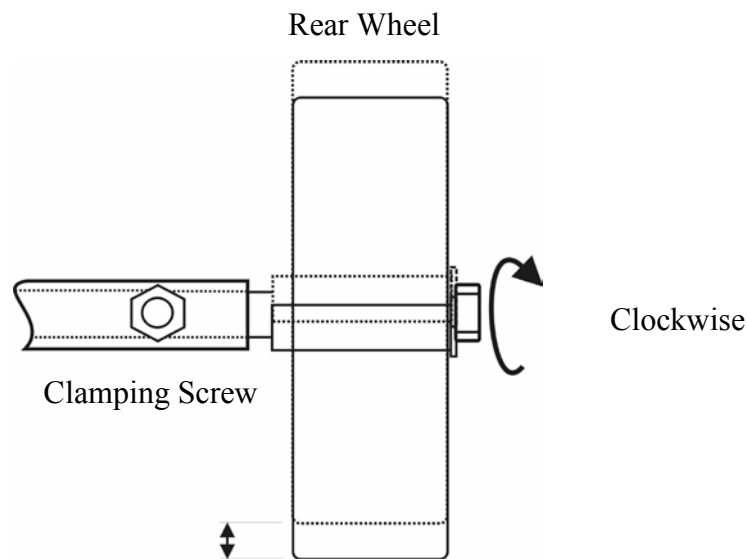
- Lift the machine with the hand wheel so that the tools are well clear of the floor.
- Unscrew the screws on the right side plate (M10, Key width 17 mm)
- Carefully remove the side plate (Appendix diagram No. 97 and 99).
- Take out the drum. Remove worn out tools. Check shafts and drums concerning wear and tear. If necessary replace new tools on the drum.
- Push drum on freshly greased shaft.
- Reconnect right side plate.



8. Adjusting the drum

During the operation of the SC 320 floor planer or after a drum has been changed or replaced, the drum shaft and the rear wheel axis can fall out of alignment. This results in an uneven track on the floor. On one side the drum touches the floor before the other and therefore removes more surface material on this side.

The two rear wheels are mounted on an eccentric shaft (see diagram).



If the drum has to be adjusted proceed as follows:

Place the planer on an even floor. Lift the machine with the height adjustment hand wheel, until all the tools are well clear of the floor. Loosen the clamping screw of the eccentric shaft. On the other side of the rear wheel is a screw which keeps the wheel on the shaft. Turning the screw will also turn the eccentric shaft. The floor planer moves up and down on one side. Always turn the screw clockwise. Anti clockwise would loosen the screw. Keep turning until all the tools on the drum are the same distance to the floor. Tighten the clamping screw again.

9. Maintenance and cleaning

9.1 Bearings

All bearings are greased for their life time.

9.2 Height adjustment and joints

All joints have to be greased periodically with a standard machine grease.



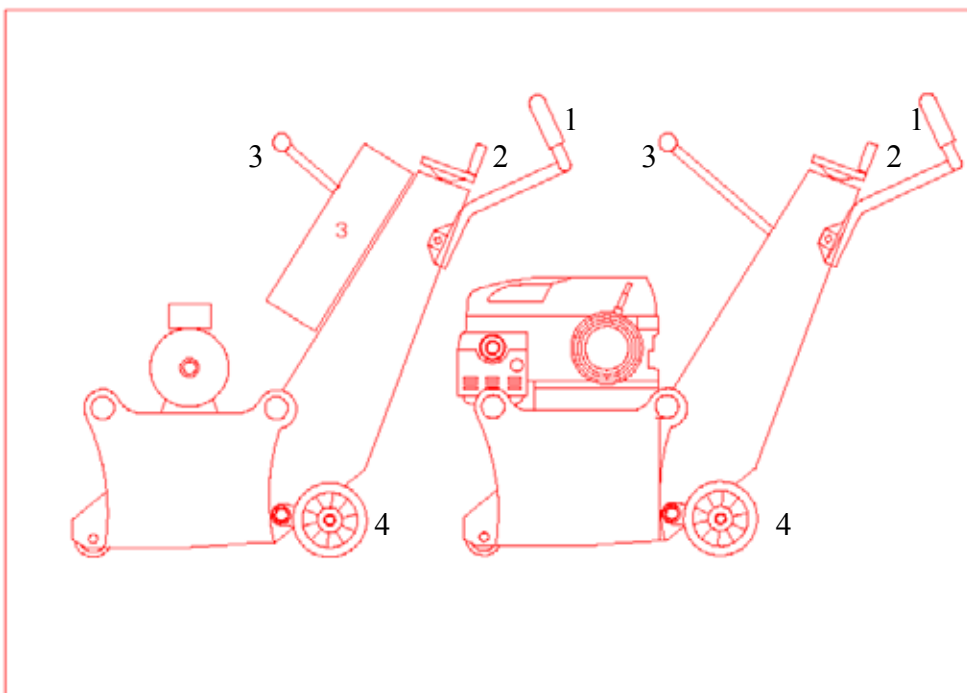
9.3 Belt drive

Check the belt after approximately every 30 hours of operation. The belt is tensioned automatically by a tensioner wheel underneath the belt cover.

9.4 Cleaning

A regular cleaning of the machine increases the life of all components and tools of the planer.

10. Diagram



1 Handle bar

3 Lever of the height adjustment

2 Height adjustment hand wheel

4 Rear wheel

11. Appendix

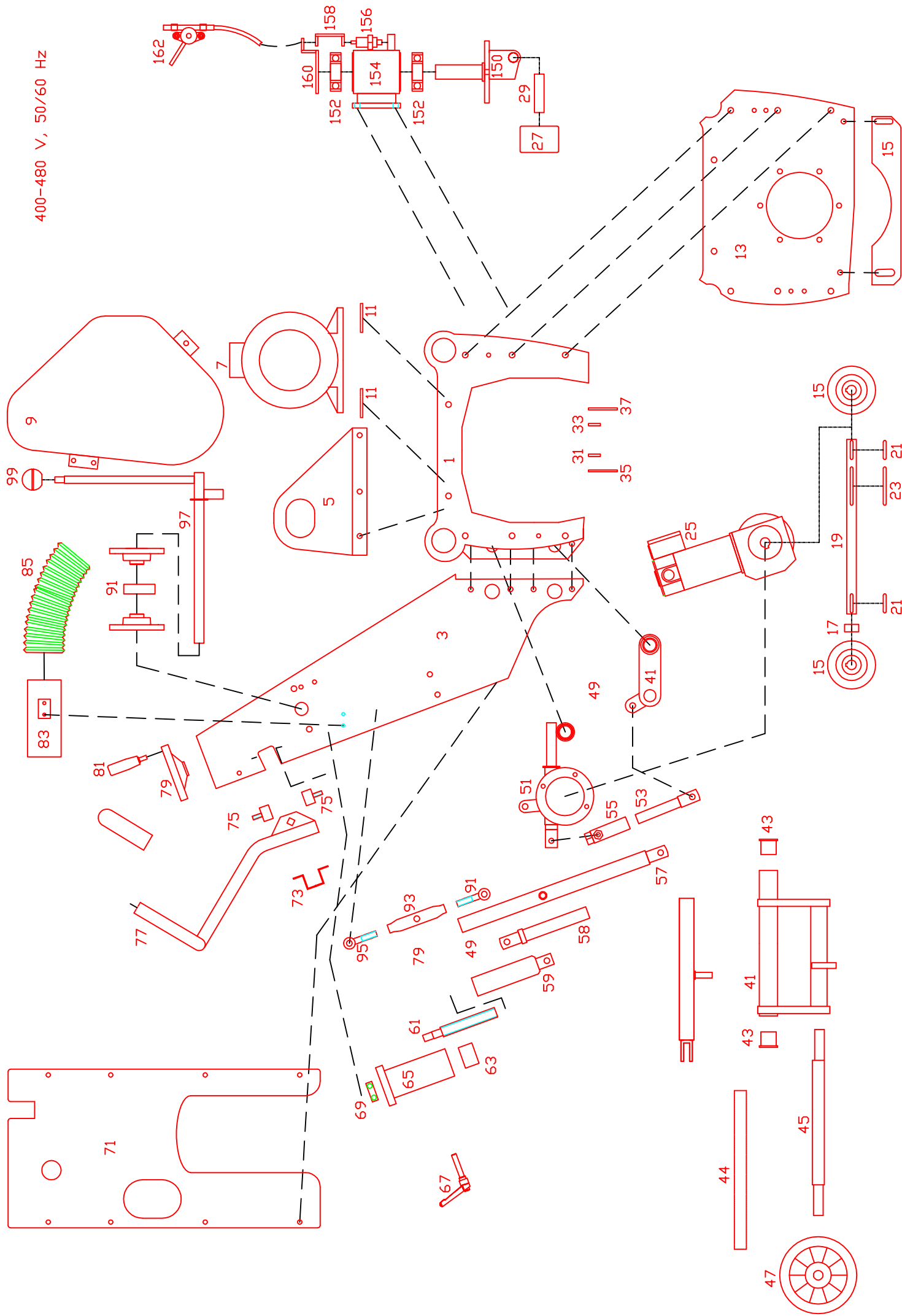
Diagrams

Wire diagram

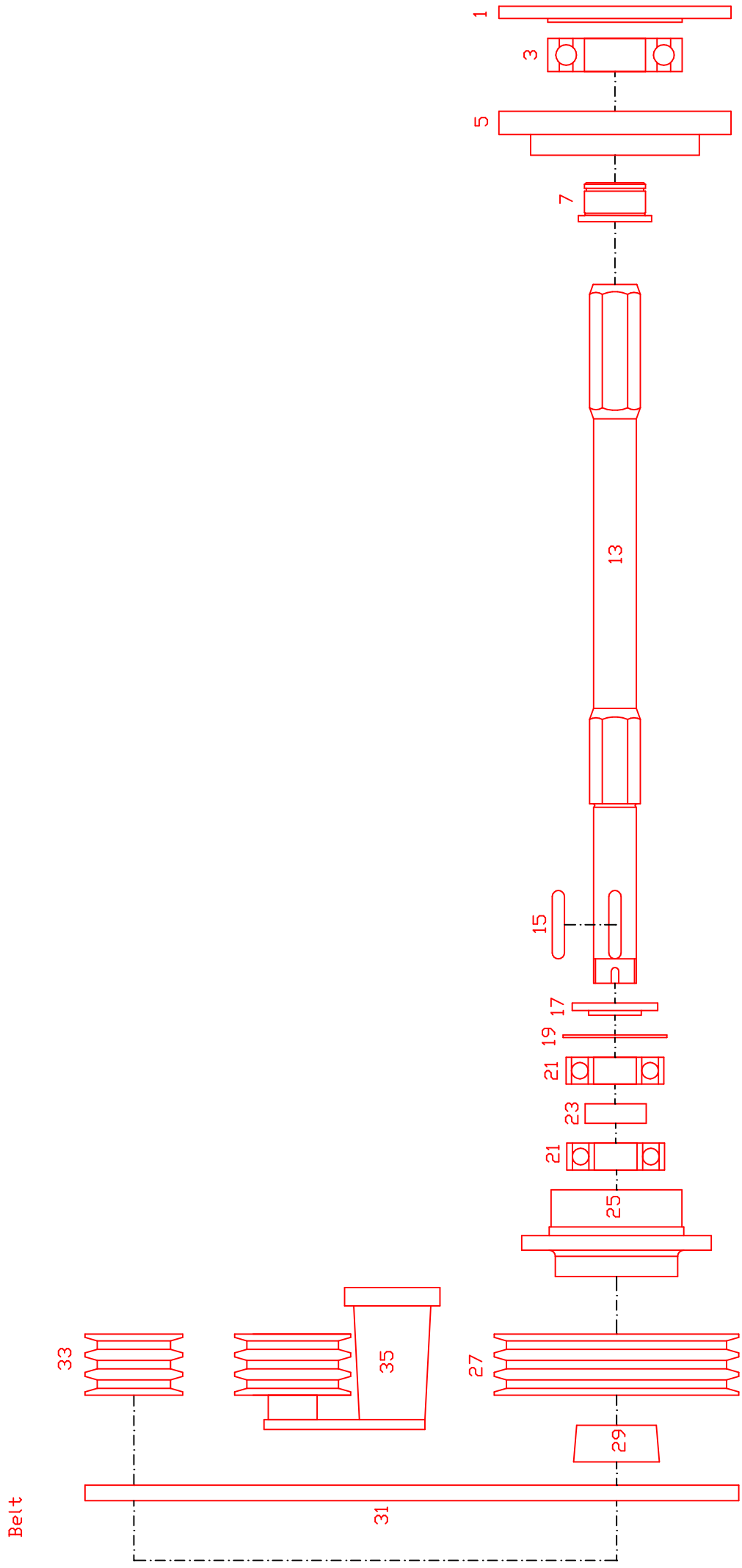
Tools

Part list

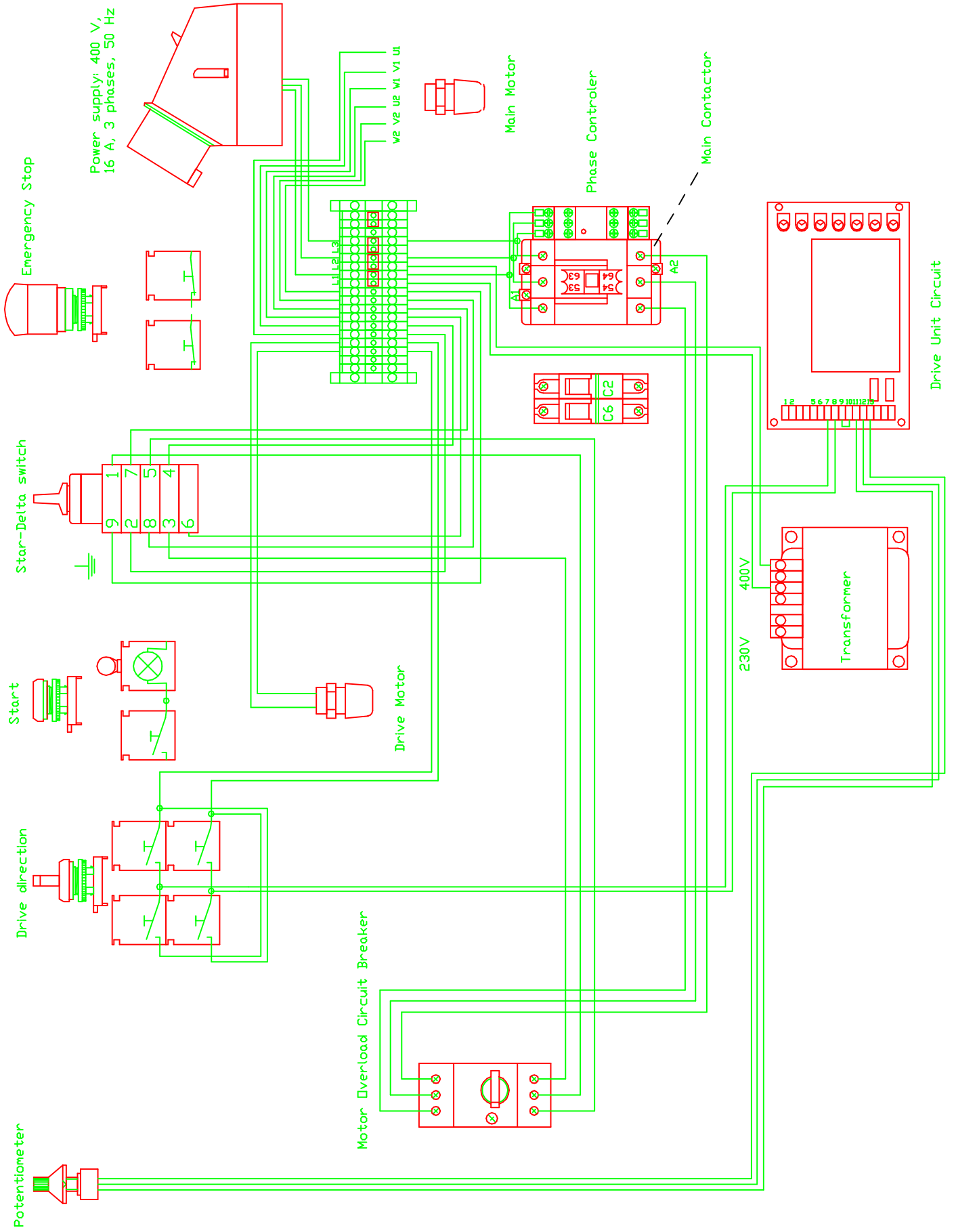
400-480 V, 50/60 Hz



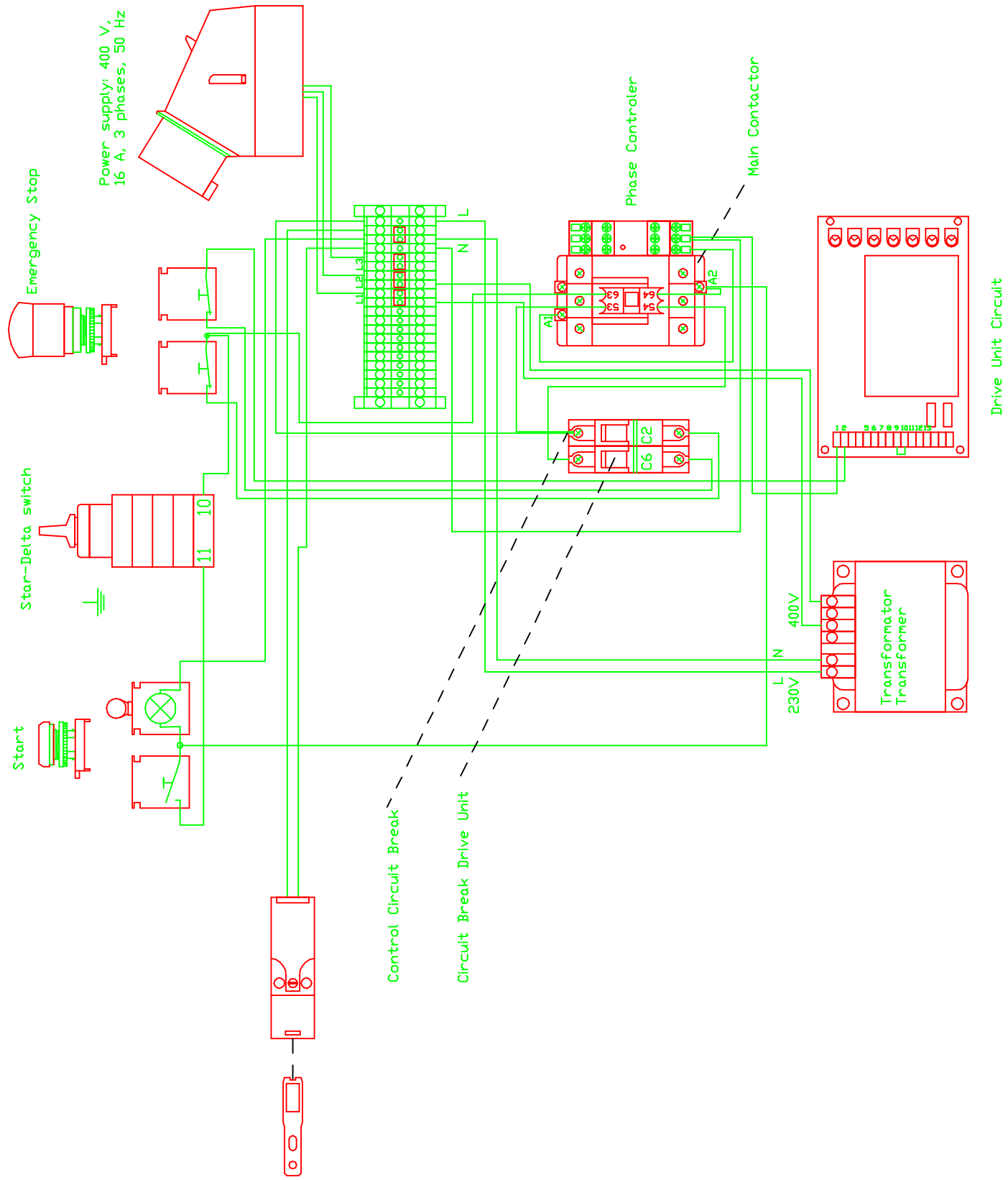
Belt drive and shaft



Wire diagram main motor and drive unit

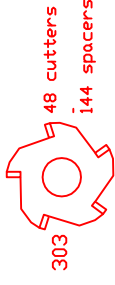
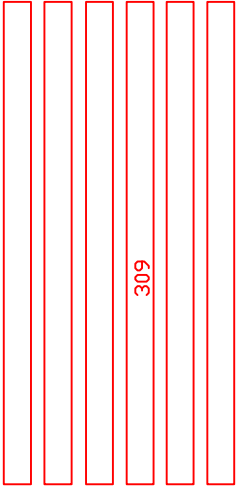
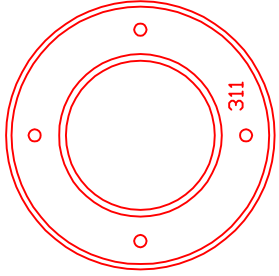
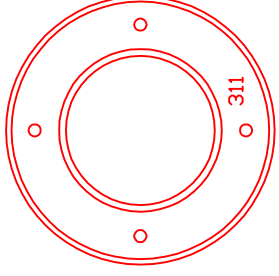


Wire diagram control circuit

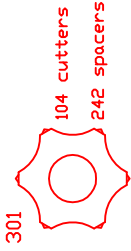


Tools

300 drum



48 cutters
144 spacers



104 cutters
242 spacers

