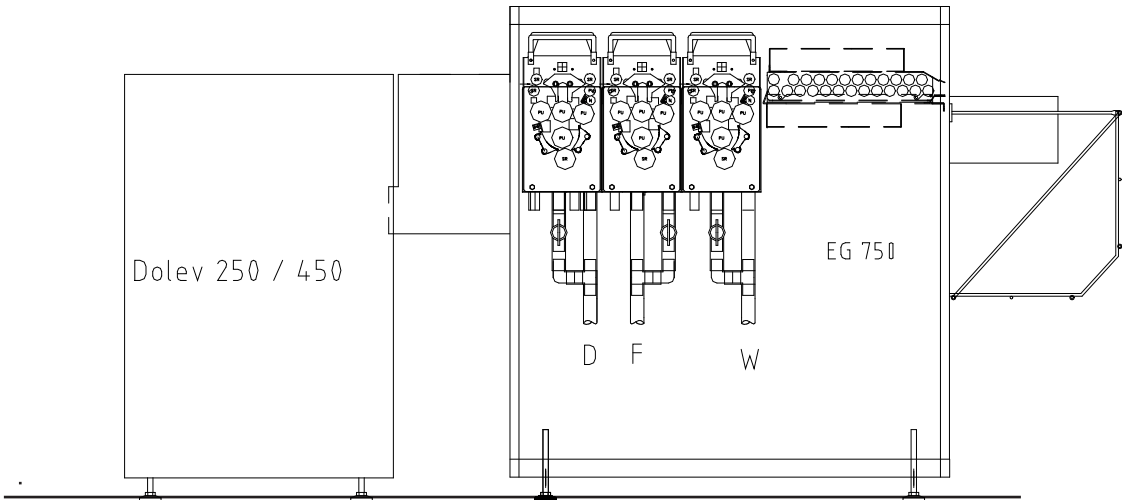
Important

Your on-line processor has a built in exhaust blower. Even if the main switch is switched off, the blower will still be on. This is to prevent chemical fumes in the conveyor/imagesetter. If a timer is connected in series with the main power cable, the processor has to be modified, so that the exhaust blower is always running.



Creo
Dolev 250

Hope / Carnfeldt
EG 750

8.1 General

This section contains the processor's basic operating instructions for working on-line with an imagesetter.

Before operating the processor on-line, the procedures in section three Installation must be performed. Read this entire section and section four (operation) before attempting to operate the processor.

8.2 Installation of On-Line Section

Special care should be taken when the processor is connected to imagesetter. Is advisable to install the imagesetter first. The imagesetter should be "levelled" and be put in its final position before the processor is connected.

Install the processor as described in section three. Level the processor in to its final position before the chemistry is added.

Connect the 9 pin interface cable to the conveyor. Turn the power on and test the installation.

Contents

Edition: 23 August 2001

Product number:
317820

8.3 Conveyor Operation

The operation of the conveyor is displayed on the left icon. Please observe the conveyor icons:

Empty conveyor, ready.


Film is being transported in to the conveyor


Film is being cut.


Film is in the conveyor.


Film has entered the processor.

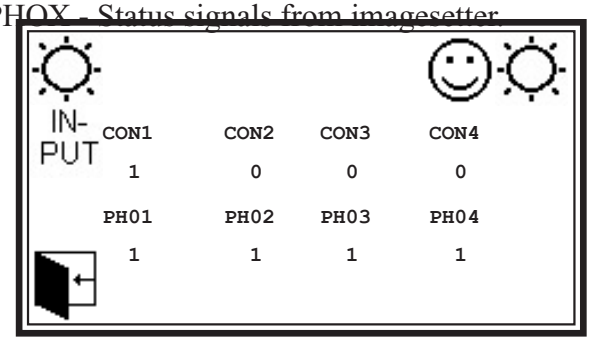

Off-line feed.

Settings of timer and conveyor speed are adjusted in the service menu. To access the service menu please see section 5.7

Communication Signals

To display the signals from the imagesetter use the information screen shown below. To access from the main menu push S .
For more information see section four Operation.

CONX - Status conveyor switches.
PHOX - Status signals from imagesetter.



CON1 - Conveyor sensor activated (1).

CON2-3 - Not used on Dolev

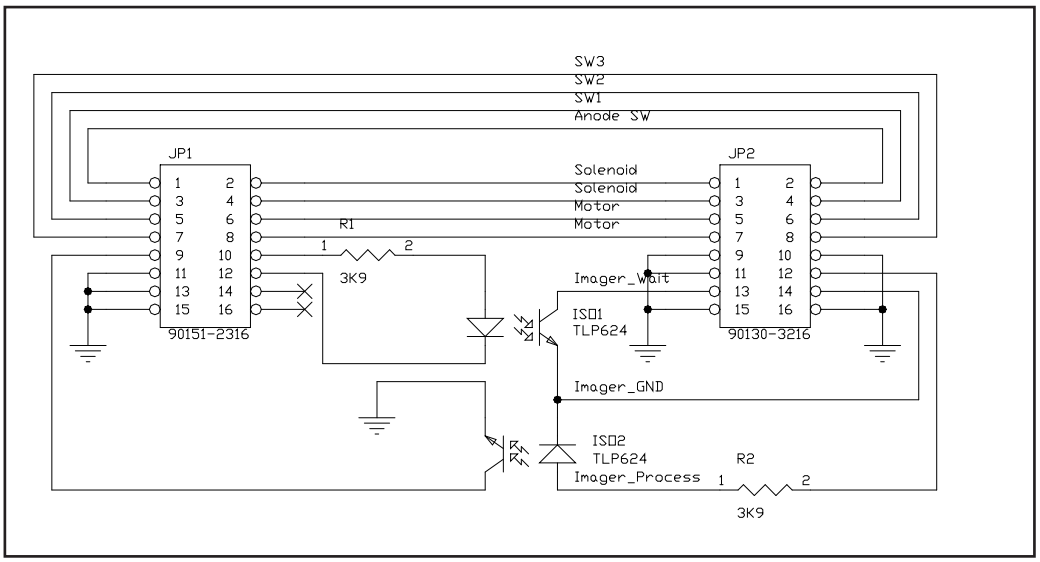
CON4 - Load/Feed/Cut signal. (See state diagram)

PHO1 -PH04 - Not used on Dolev 450.

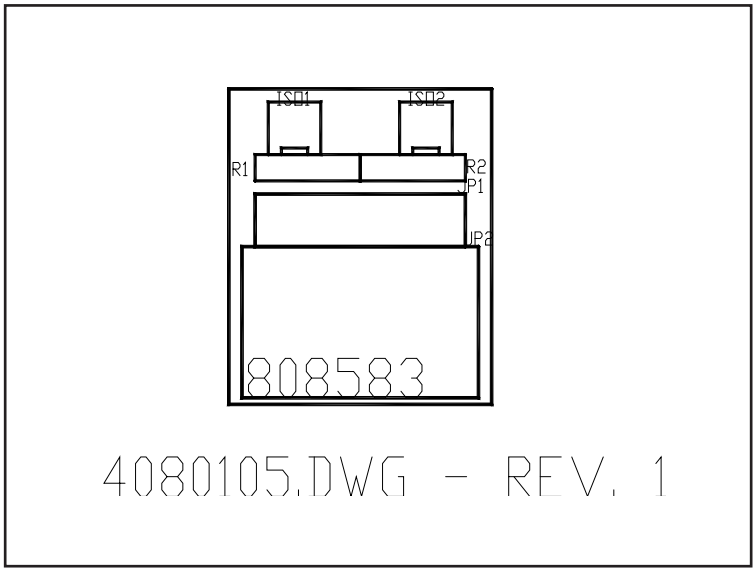
Conveyor Timer Settings

Number	Settings	Units	Description
Conv. Timer 1	10	0,1 Sec	**Ready delay:** The time from activation of conveyor sensor wait is sent to imagesetter.
Conv. Timer 2	0	0,1 Sec	**Not used on Dolev 250:**
Conv. Timer 3	40	0,1 Sec	**No-Feed delay**: The time activation of the inlet sensor to conveyor motor stop.
Conv. Timer 4	0	0,1 Sec	**Not used on Dolev.**
Conv. Timer 5	60	1 Sec	**Conveyor**: Time out, error time out.
Conveyor/Photoset	**CreoScitex Dol 250**		
Conv. motor speed	**255**		

8.4 On-Line Drawings and Settings



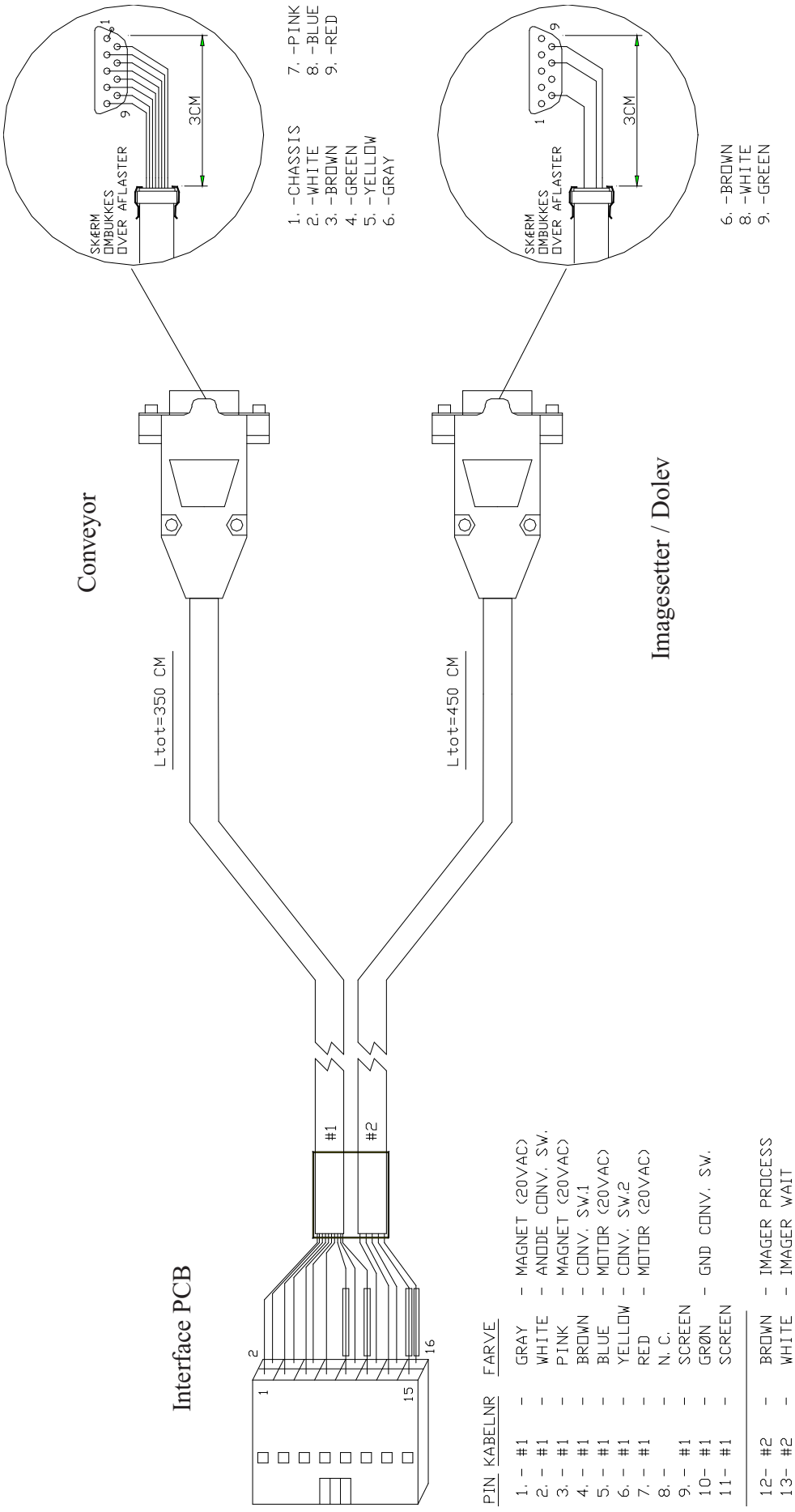
Interface PCB for Dolev, Drawing 4080105



Interface PCB for Dolev Layout, Drawing 890718

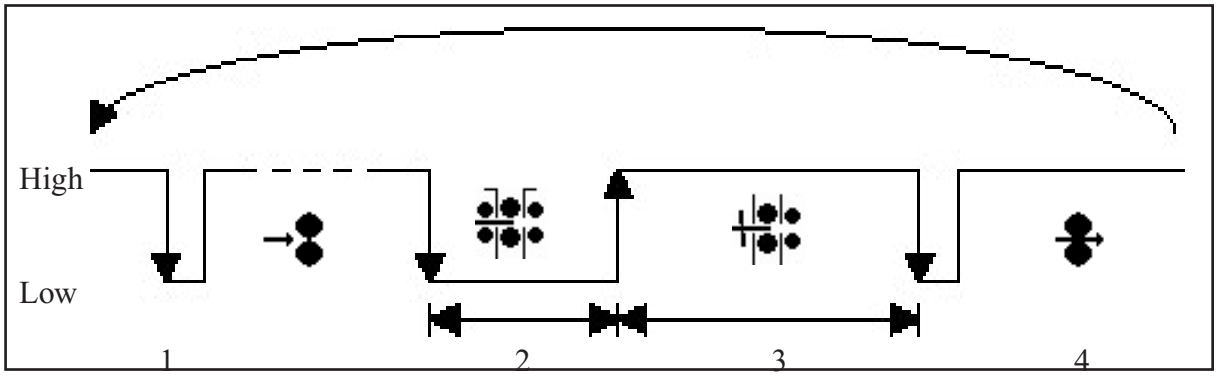
The interface PCB is placed on the conveyor sensor plug !

You can test the ready signal by manually activating it via the DC motor 1. For more information see section 5.9 in the output part in the service manual.



Cable - Conveyor / Imagesetter, Drawing 317748

Dolev Interface Timing Description

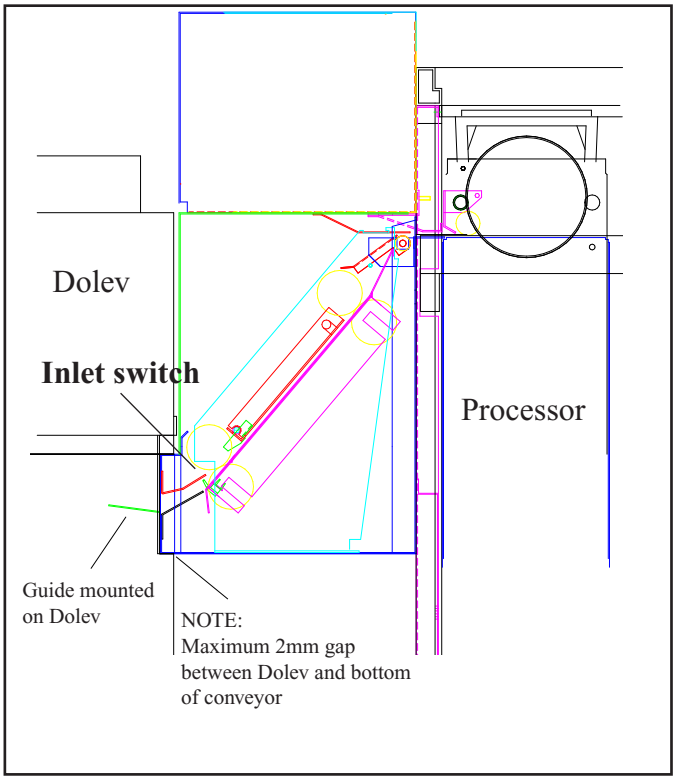


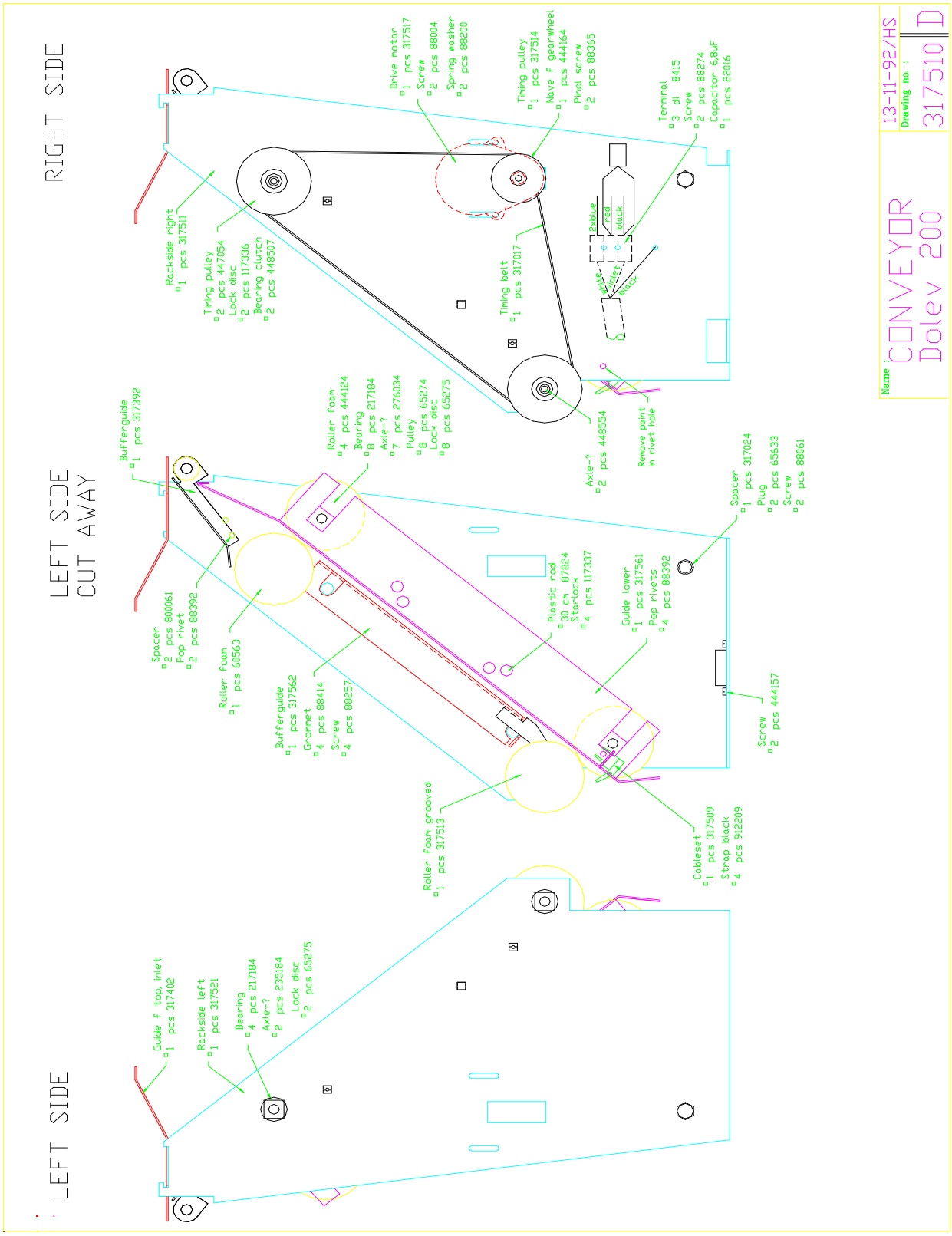
1. Start of plot. This signal will be ignored by the processor.

2. Feeding time. The film is fed out of the Dolev. When the film reaches the inlet sensor in the conveyor, the conveyor and the processor starts. The LOAD indicator on the control panel is on.

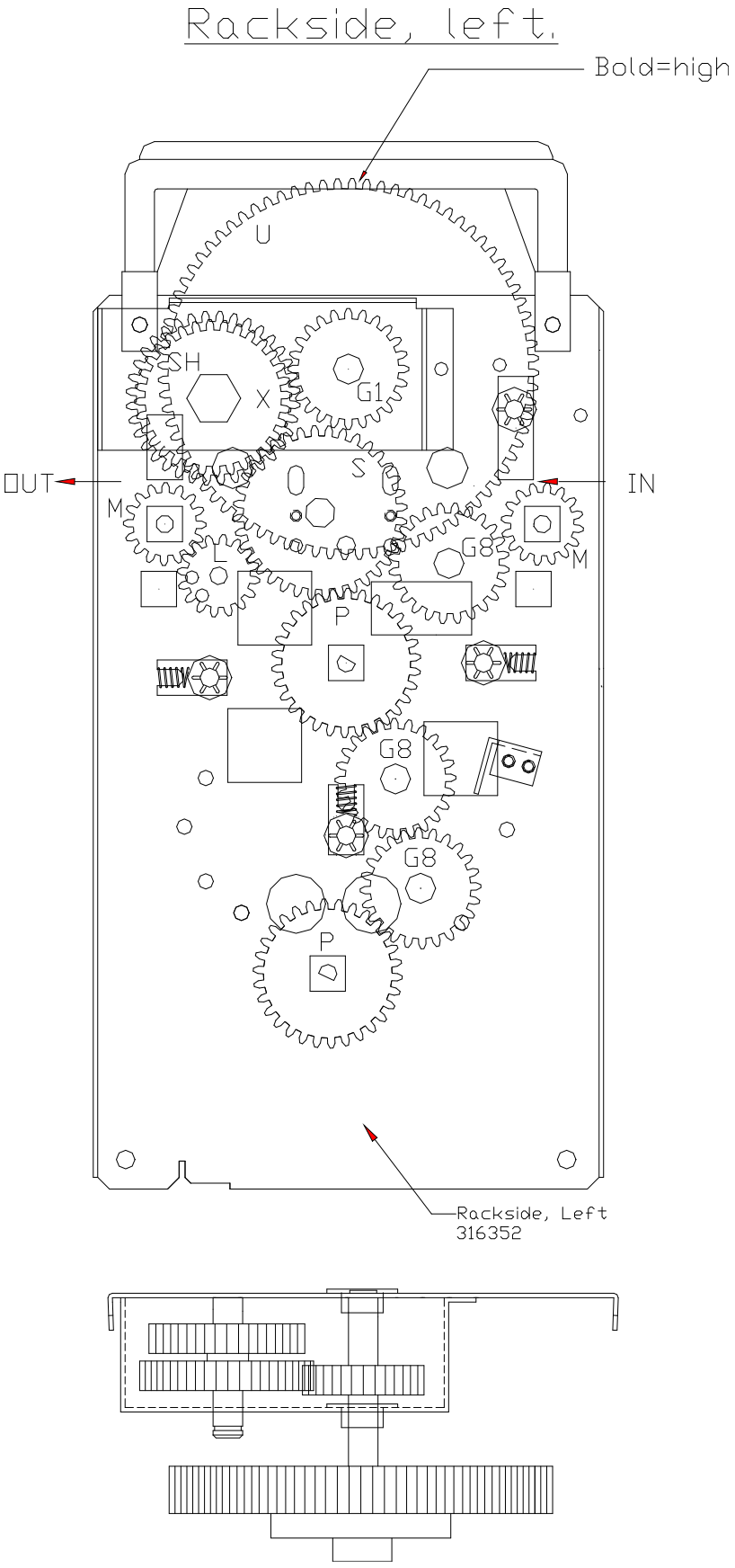
3. Cutting time. The film is cut inside the Dolev. When this is done, the conveyor is stopped. When the signal goes high again, the conveyor starts again and transports the film to the processor. The CUT indicator on the control panel is on.

4. The film is transported to the processor. The conveyor stops approx. 4 sec. after the inlet sensor of the processor is activated. One way bearings on the rollers of the conveyor allow the processor to pull the film out of the conveyor .

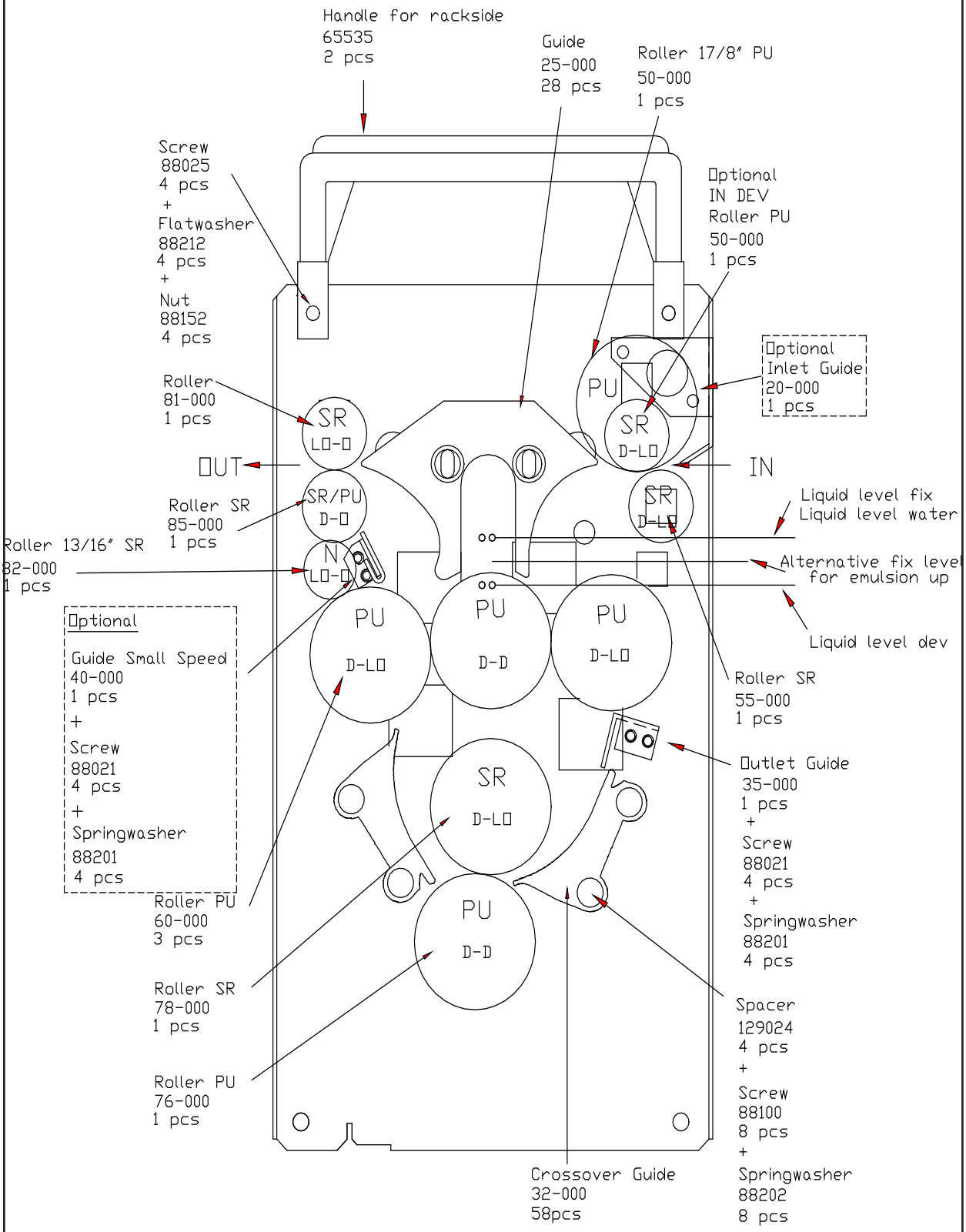




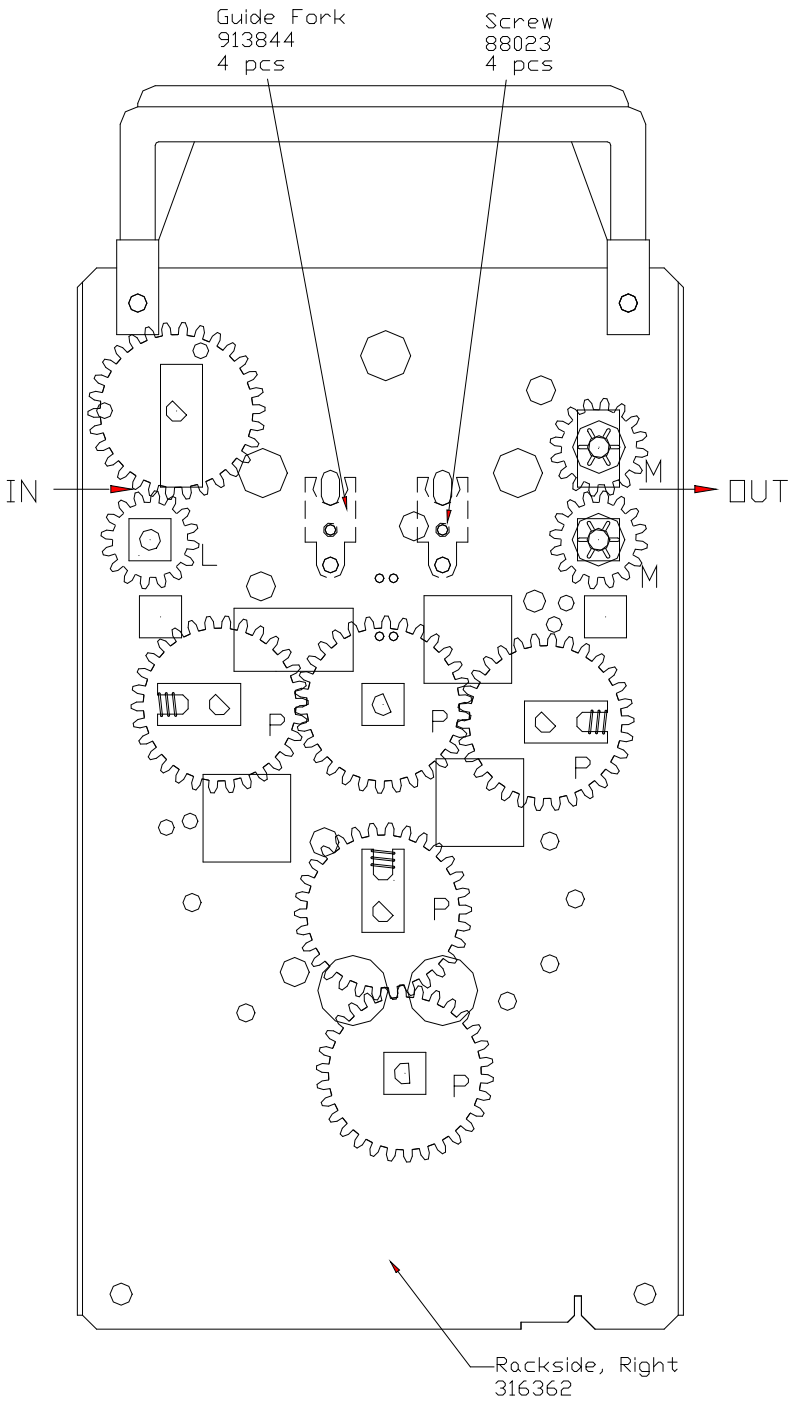
Conveyor Dolev 250, Drawing 317510



R2 Gearwheel Position Left Side, Drawing 316489a

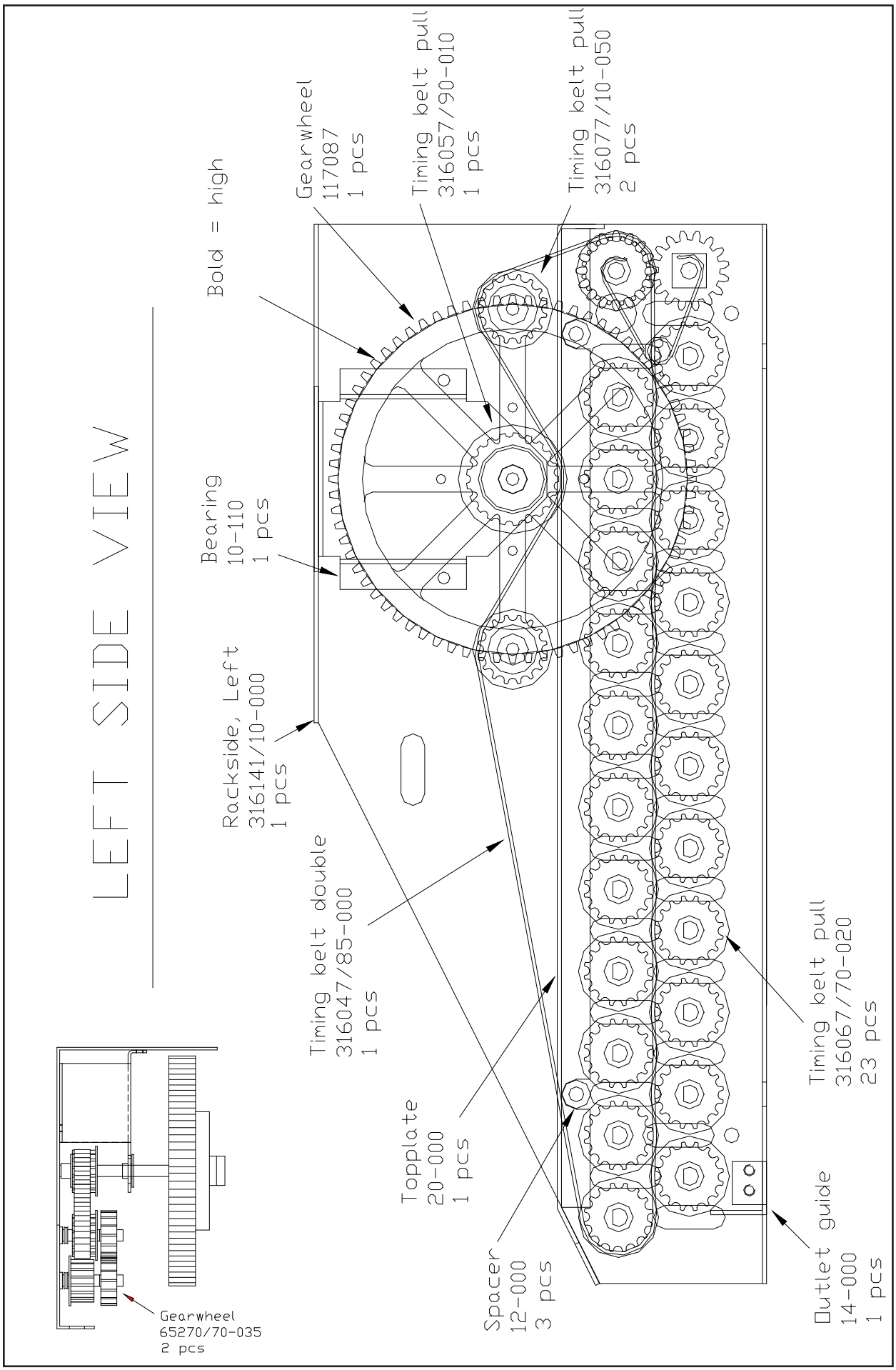


R2 Roller Position Right, Drawing 316489b

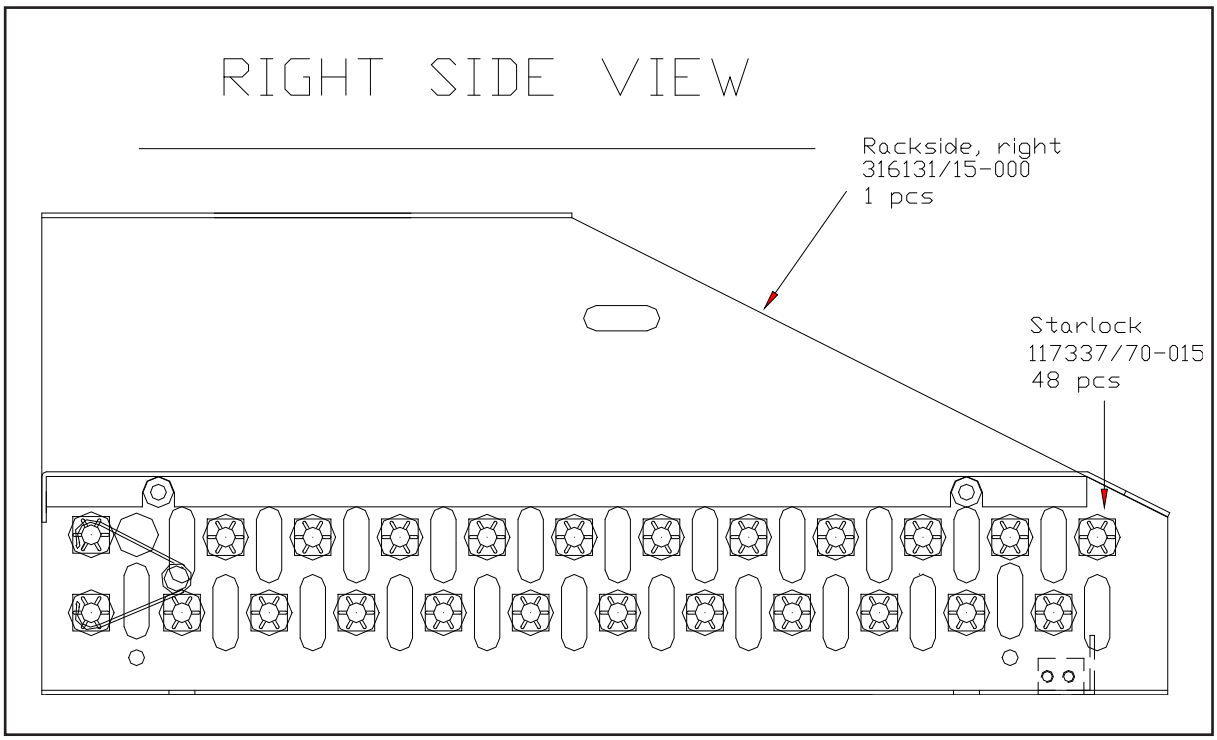


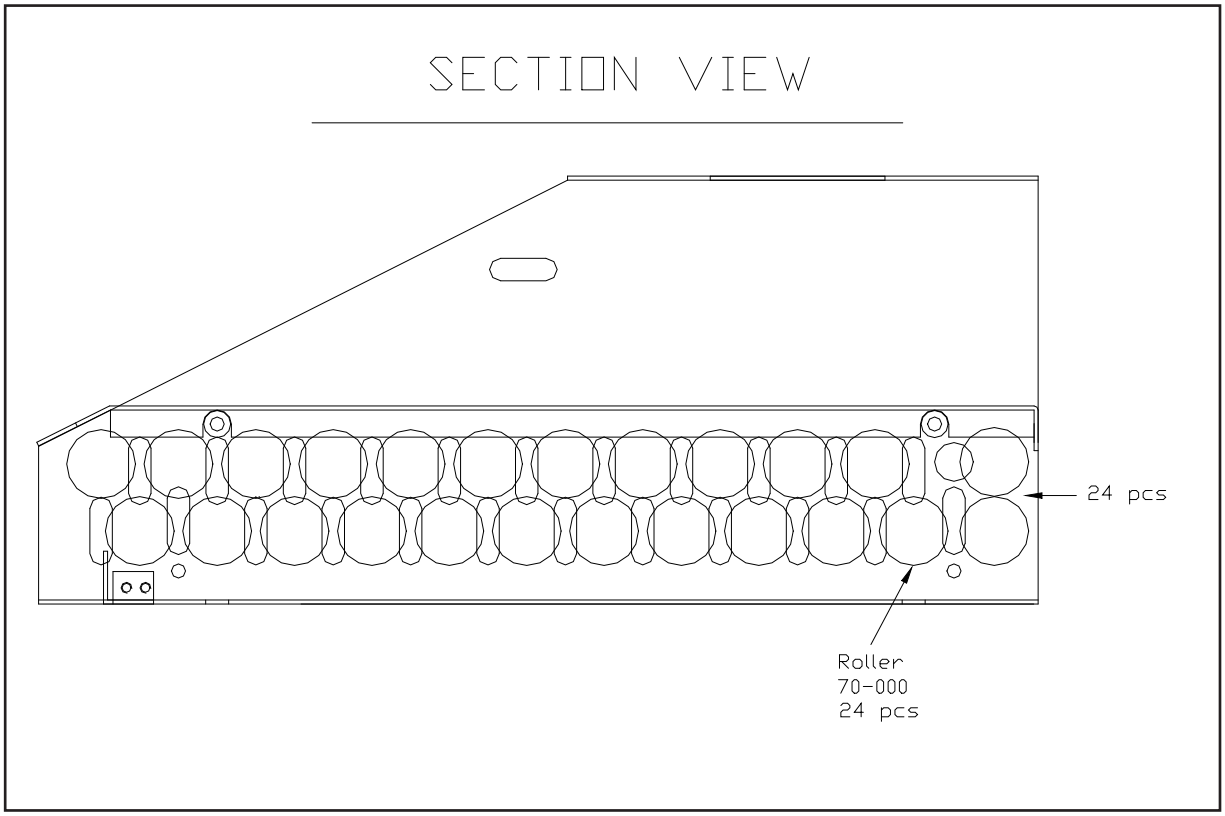
L	65271	16T Ø 1/4"	2 pcs
M	65270	16T D 1/4"	4 pcs
G1	276154	24T Ø 10,2	1 pcs
G8	217164	24T Ø 10,2	3 pcs
P	65266	30T 1/4" In - D	7 pcs
X	117528	32T NV 16	1 pcs
SH	117518	32T NV 16	1 pcs
S	65502	36T Ø 10mm MSH	1 pcs
U	65456	80T Ø 10mm MSH	1 pcs

R2 Rack Side Right, Drawing 316489c

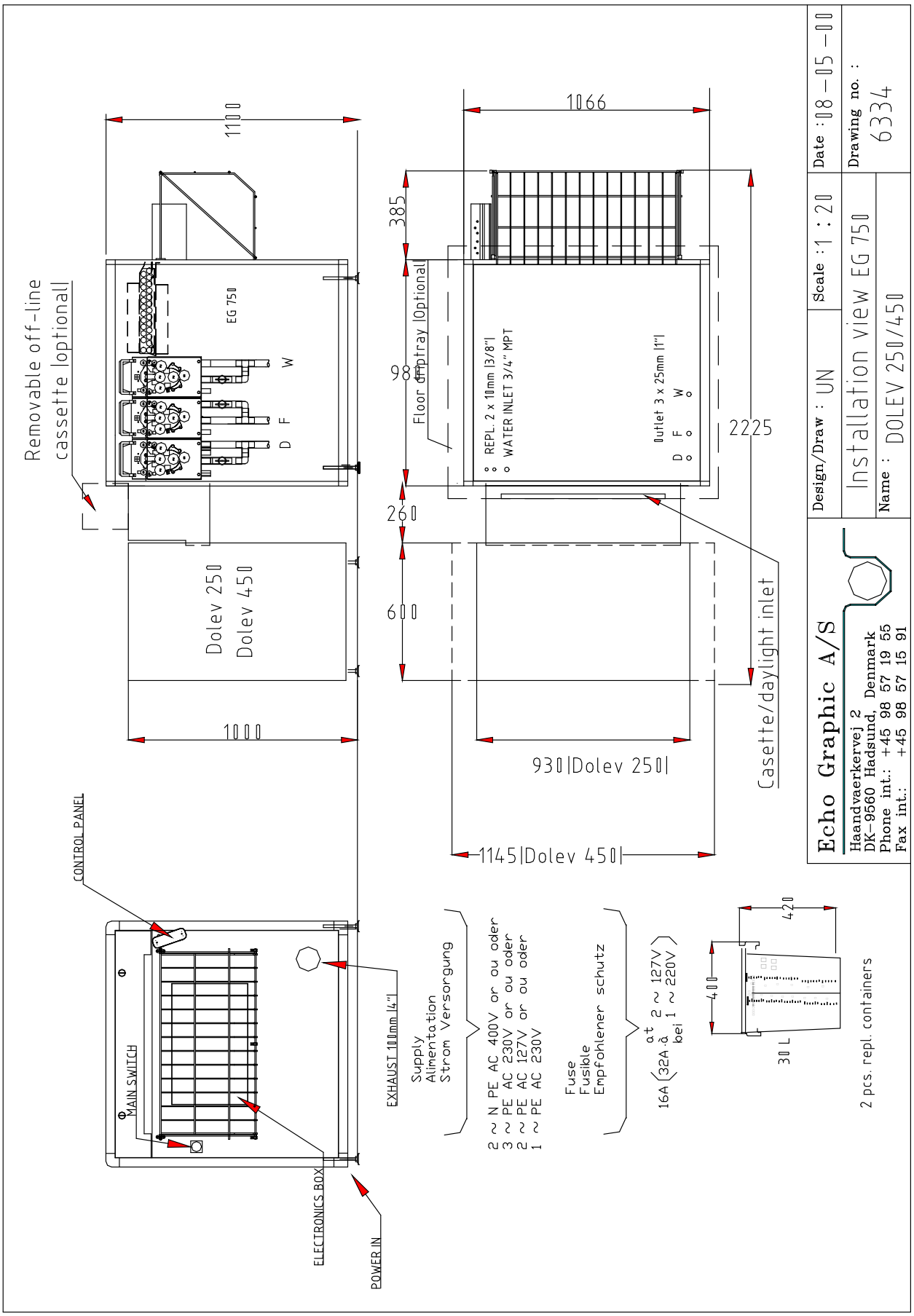


Rack Side Right Dry R38, Drawing 316108





Rack Side Section View Right/Left Dry R38, Drawing 316108



Installationview 6334

SECTION 8

Hope / Carnfeldt On-Line Processors for Creo Imagesetters:

	EG 750 Dolev 450	EG 751 Dolev 450	EG 752 Dolev 450
Dimensions of on-line system			
Length	228 cm / 89.8”	252 cm / 99.2”	252 cm / 99.2”
Width	115 cm / 45.3”	115 cm / 45.3”	115 cm / 45.3”
Height	110 cm / 43.3”	110 cm / 43.3”	110 cm / 43.3”
Shipping dimensions			
Length	156 cm / 61.4”	156 cm / 61.4”	156 cm / 61.4”
Width	115 cm / 45.3”	115 cm / 45.3”	115 cm / 45.3”
Height	129 cm / 50.8”	129 cm / 50.8”	129 cm / 50.8”
Weight			
Net	233 kg / 514 lb.	345 kg / 761 lb.	345 kg / 761 lb.
Gross	315 kg / 695 lb.	450 kg / 992 lb.	450 kg / 992 lb.
Specifications			
Inlet width	75 cm / 29"	75 cm / 29”	75 cm / 29”
Tank capacity	25 l / 6.6 US gal.	26.5 l / 7 US gal.	35 l / 9.3 US gal.
Rack length dev.	32 cm / 12.6”	44 cm / 17.3”	67 cm / 26.4”
Developing time min.-max.	20-80 sec.	15-90 sec.	15-90 sec
Speed at 30 sec. dev. time	64 cm/min. 25.2”/min.	88 cm/min. 34.6”/min	134 cm/min. 52.8”/min
Max. film length off-line	5 m / 16.4 ft	10 m / 32.8 ft	10 m / 32.8 ft
Min. film size off-line	18x10 cm / 7 x 4”	18x10 cm / 7 x 4”	18x10 cm / 7 x 4”
Max. format (set by imagesetter)	66x54 cm / 26x21”	66x54 cm / 26x21”	66x54 cm / 26x21”
Dev./fix./wash temperature range	20-45°C/68-113°F	20-45°C/68-113°F	20-45°C/68-113°F
Exhaust blower	Built in	Built in	Built in
Exhaust connection	Ø 10 cm/4"	Ø 10 cm/4”	Ø 10 cm/4”
Circulation rate dev., fix.	10 l/min./2.7 US gal.	22 l/min./5.8 US gal.	22 l/min./5.8 US gal
Water consumption (operate)	3.5 l/min./0.9 US gal.	3.5 l/min./0.9 US gal.	3.5 l/min./0.9 US gal.
Emission of heat to room (operate)	2000 W/586 BTU/hr	2300W/674BTU/hr	2300W/674 BTU/hr
Water connection	¾” MPT	¾” MPT	¾” MPT
Drain connection	6 x 1" hose nipple	3x1” hose nipple	3x1” hose nipple
Replenishment containers	Dev/fix 30 l/8 US gal.	Dev/fix 30l/8 US gal.	Dev/fix 30l/8 US gal.
Max. power consumption	3700 VA	5900VA	5900VA
Average power consumption:			
Operate	3100 W	5000W	5000W
Power save	600 W	1000W	2000W
Night mode	550 W	600W	600W
Power supply:			
1x230ACV+/-10% / 50/60Hz	20 amp	30 amp	30 amp
3x230ACV+/-10% / 50/60Hz	-	3 x 16 amp	3x16 amp