

Rho 700

Large Format Direct Digital
Inkjet Printer/ Press

Pre-Installation Questionnaire

Distributor: _____
Contact Person: _____

Customer: _____
Address: _____

Contact Person: _____
Phone: _____
Fax: _____
E-mail: _____

Note: For a detailed product description, technical data, basic outfit, optional accessories and soft- and hardware contracts please refer to the Durst Rho 800 Product Info.



1.0

Dimensions:

	(approx. dimensions)	
Width:	540 cm	(215 inch)
Length with roll tables:	460 cm	(181 inch)
Length without roll tables:	190 cm	(75 inch)
Height - closed doors:	195 cm	(77 inch)
Height - opened doors:	230 cm	(90 inch)
Weight with support tables:	<u>~ 4000 kg (8820lb)</u>	
Weight without equipment:	<u>~ 3500 Kg (7.715 lb)</u>	

2.0

Requirements for Installation

2.1 Site Specifications:

Loading ramp:	<input type="checkbox"/> yes	_____ Height
Length of transport way:		_____ Length
Aisle / Corridor room space:		_____ (Width x Height)
Room opening : min. height: 250 cm / 99"	<input type="checkbox"/> ok	<input type="checkbox"/> not ok
min. width 200 cm / 79"	<input type="checkbox"/> ok	<input type="checkbox"/> not ok
Min. room opening on the way to Rho room:		_____ (width x height)

2.2 Rho 700 room:

Recommended room size:	min. 10 x 8 m	(33 x 26 ft)
Recommended room size for printing onto rigid media (panels of 4 m / 160" length):	min. 12 x 10 m	(39 x 33 ft)
Recommended room height:	min. 250 cm	(99 inch)
Room size: (Length x Width x Height):		_____
Required floor loading capacity:		
- min. 2500 kg per machine foot (510 lb)	<input type="checkbox"/> ok	<input type="checkbox"/> not ok
- Machine is set onto 4 feet		

3.1 Unloading from truck:



Fork-Lift: capacity 7000kg/ 15500 lb available

- ▶ **A**: Fork distance (fork middle) min. 150 cm / 60"
- ▶ **B**: Fork length min. 180 cm / 70"

Important Info: ▶ **Don't use any type of crane for unloading!**

3.2 Packaging (standard):

All dimension are approx. values

		Description	l		w		h		weight	
			[cm]	[inch]	[cm]	[inch]	[cm]	[inch]	[kg]	[lb]
Truck-Freight	Wooden Pallet	Main Unit (with roll tables)								
	Machine partially disassembled for the delivery from factory to customer									
Air-Freight	Wooden Box (as per ISPM 15)	Main Unit (with roll tables)								
	Machine partially disassembled for the delivery from factory to customer									
Sea Freight	Wooden Box (as per ISPM 15)	Main Unit (with roll tables)								
	Machine partially disassembled for the delivery from factory to customer You might need a 40' High Cube Container. Machine to be loaded into Container at port directly by your forwarder									
3.3 Transport rollers:		Transport rollers from Durst available?	<input type="checkbox"/> yes							
		Height of the transport rollers is 17cm (6,7inch)								
3.4 Warehouse:		Warehouse available for storage prior to install:	<input type="checkbox"/> yes				<input type="checkbox"/> no			
Note:		The unit cannot be stored below a room temperature of 4°C / 40°Fahrenheit!								

4.1 Main power supply:

Important:

The connection of the Rho 700 to the main power must be carried out by an authorized local electrician!

► Select input voltage available:

3 Phases + N + PE
230/400V (± 10%) / 17KVA 50Hz

Max. Ampere per phase: 32 A

Min. conductor size: cable 5x6 mm² 600VAC
(cable type 9 AWG 600VAC)

3 Phases + PE
208V (± 10%) / 17 KVA

50Hz

60Hz

Attention: also 3x120V Phase to PE (ground)!

Max. Ampere per phase: 48A

Min. conductor size: cable 4x10 mm² 600VAC
(cable type 7 AWG 600VAC)

Other Power Supply (Please specify)

50Hz

60Hz

.....
.....
.....
.....

► Power cords must be IEC/UL-approved!

Connection type:

Conduit Box / Power Input Principle

The power cord via the conduit pipe enters the Rho 700 at the on chapter 6.1 (space requirements) described area.

Important:

The connection of the Rho 700 to the main power must be carried out by an authorized local electrician!

For USA and Canada: The installation must be done according to NEC requirements.

Disconnecting device:

A IEC / UL approved and listed disconnecting device (min. 4x32 Amp.) to disconnect all phases and neutral (3W + N) simultaneously must be installed close to the Rho 700 system.

Leakage current device:

It is recommended to install a leakage current device.
The fail current device must be 500mA industrial type! "All current sensitive".
Check this with your local authorized electrician.

Note:

If something in electrical installation will be modified after the system was installed, warranty will be void!

4.2 Compressed Air:

Pressure: 6 – 8 bar with 5 Litre/min. (dry air only)
70 psi with 1.3 Gallons/min.

Air specification class: Oil class 1
Particle class 1
Water class 4

Connection type: Coupling: Standard MIGNON
The Tube must have an inside diameter of 8mm (315mil.)

4.3 Operating conditions:

Maximum Altitude: 2.400 m (8.000 ft) above sea level
Temperature Range: +15 to +30°C
Relative Humidity: 25 - 80% relative humidity of air (non-condensing)

4.4 Ventilation:

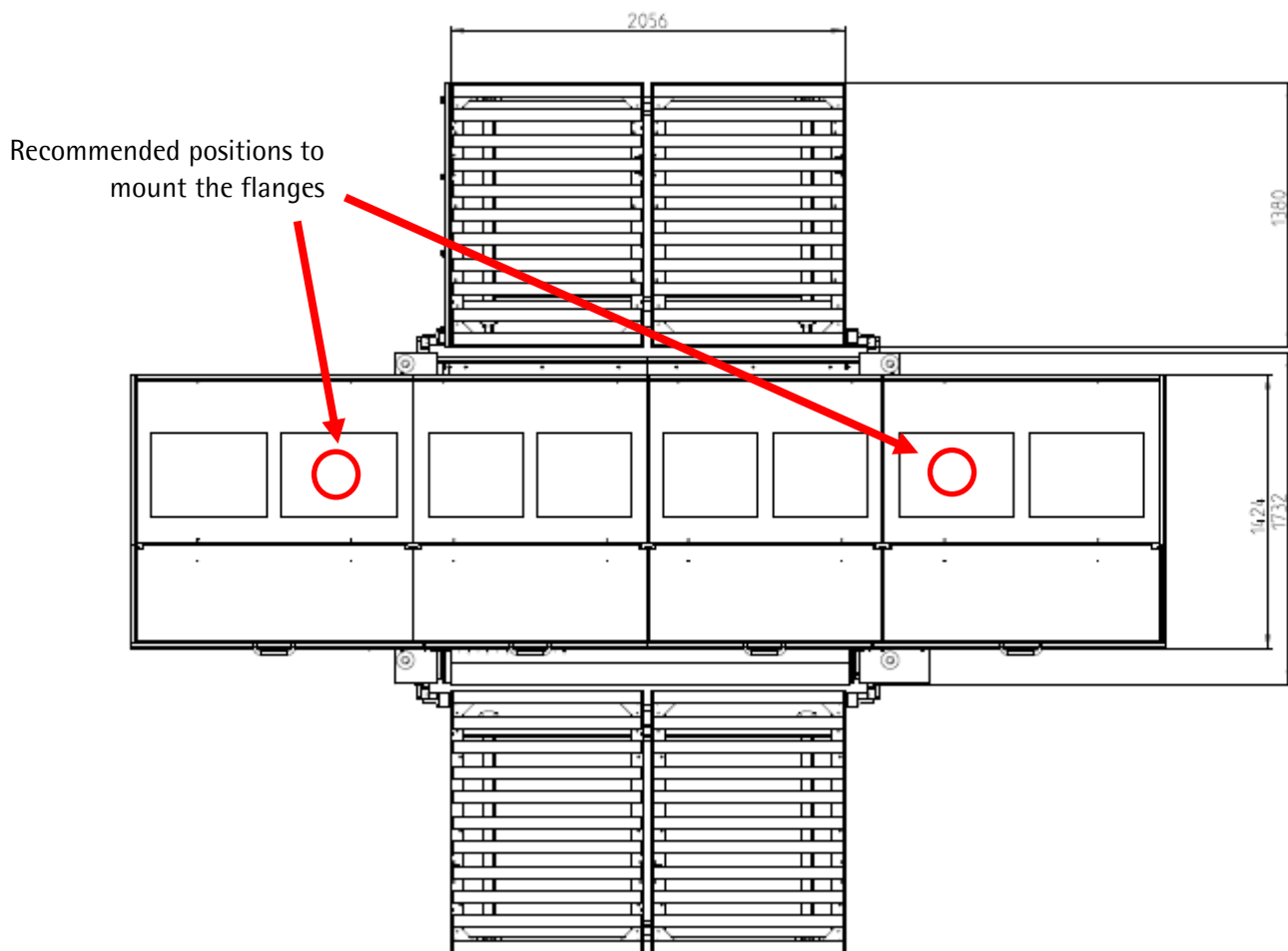
To avoid over-temperature problems there must 2 exhaust tubes installed on the top of the machine.

There are 2 flanges (Code LE2080175) shipped with every Rho700 that can be mounted like shown in the drawings below. The need for this ventilation is depending on the UV-lamp settings (intensity, 2-lamp-mode, uni/bi-directional) and on the surrounding temperature of the Machine.

The exhaust tubes and the external fan are not offered from Durst - must be organized from the customer!

Power of external fan: min. 2 x 500 m³/h

Recommended diameter for hose-connection: 150 mm



5.1 Workstation:

The machines workstation is built into the Rho and connected to the intern outlets. No separate table and connection is needed.

5.2 RIP Station (Caldera):

- The Caldera Station is a complete computer set (tower, display, keyboard, mouse)
For this PC the customer needs to supply a table
- This computer should stay close to the printer for a easy workflow
The RIP station can also be operated over remote control.
- It is shipped with European power connection cables. For installations in countries
Without the European system the customer need to supply two computer power cables.
- For the direct connection between the machines workstation and the rip station a
5 m long CAT6 network cable is provided

5.3 Network/Physical:

(Customer network status)

1Gbit/s Ethernet (recommended)

- Cat 6 wiring
- 1Gbit peripheries

10 – 100 Mbit/s Ethernet

- Caldera RIP station must be connected direct to machines workstation

**File Transfer Program and
Net File System:**

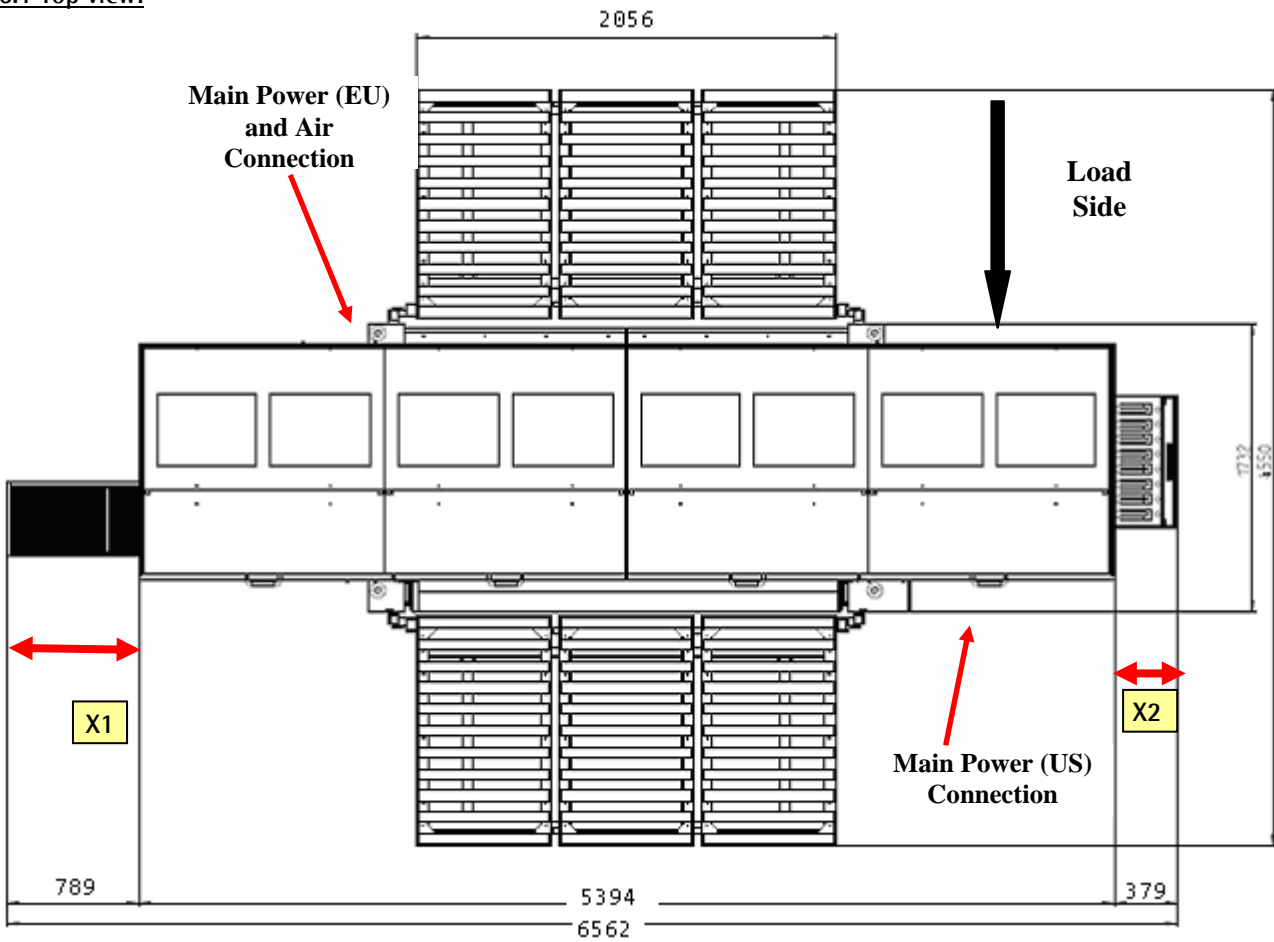
The Caldera RIP station is supplied with FTP and NFS software for Linux connections.
FTP programs for MAC or PC must be supplied from the customer:

Note:

The Durst technician will only connect the Durst Rho 700 to the existing network. For the connection to other devices and loading the appropriate software a network specialist must be available during the installation.

Space-requirements (in millimetre)

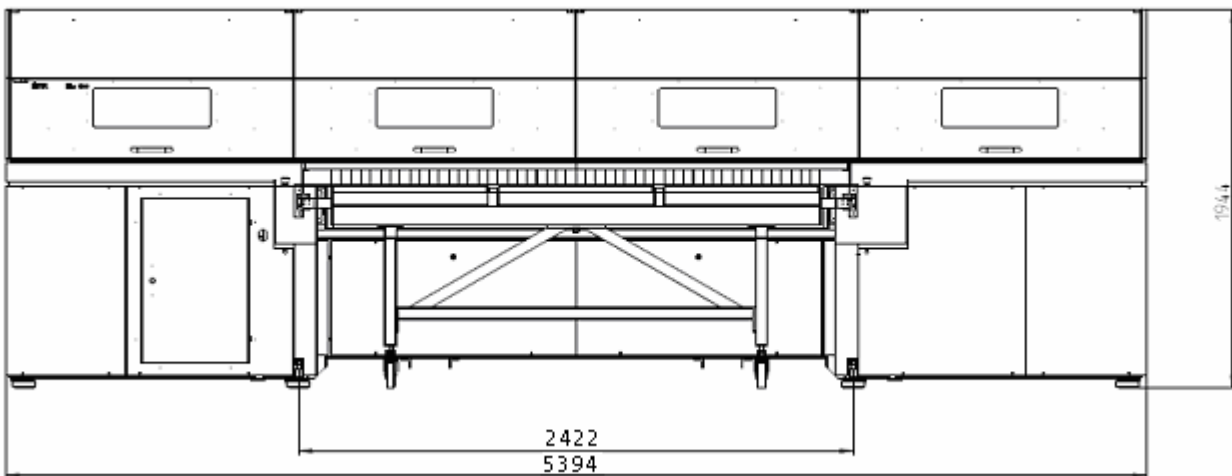
6.1 Top view:



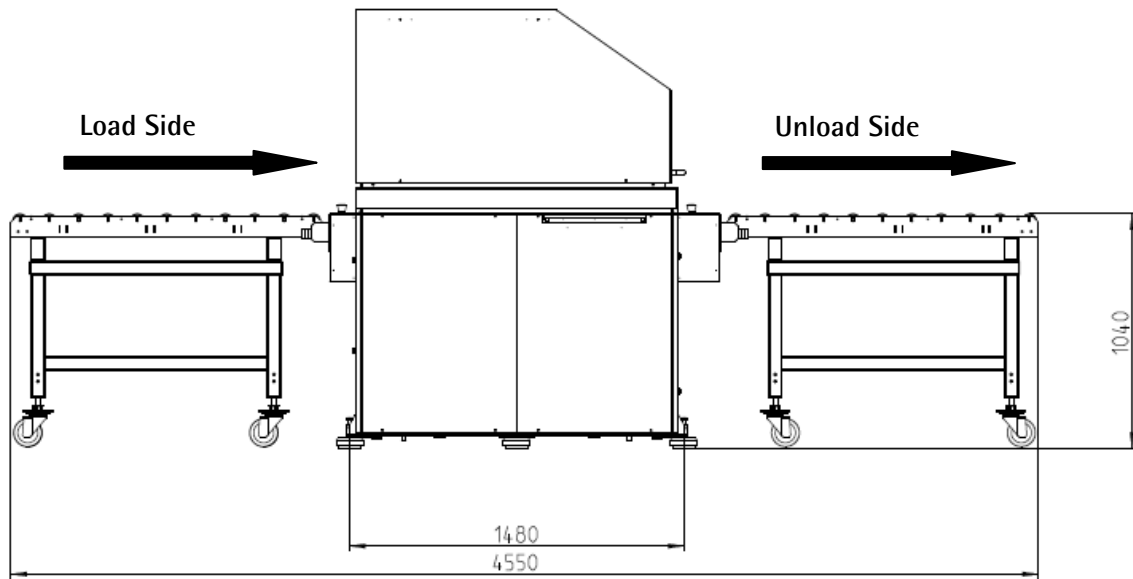
X1: The moving way from the light trap is 80 cm (extra).

X2: The moving way from the ink cubitainer is 40 cm (extra).

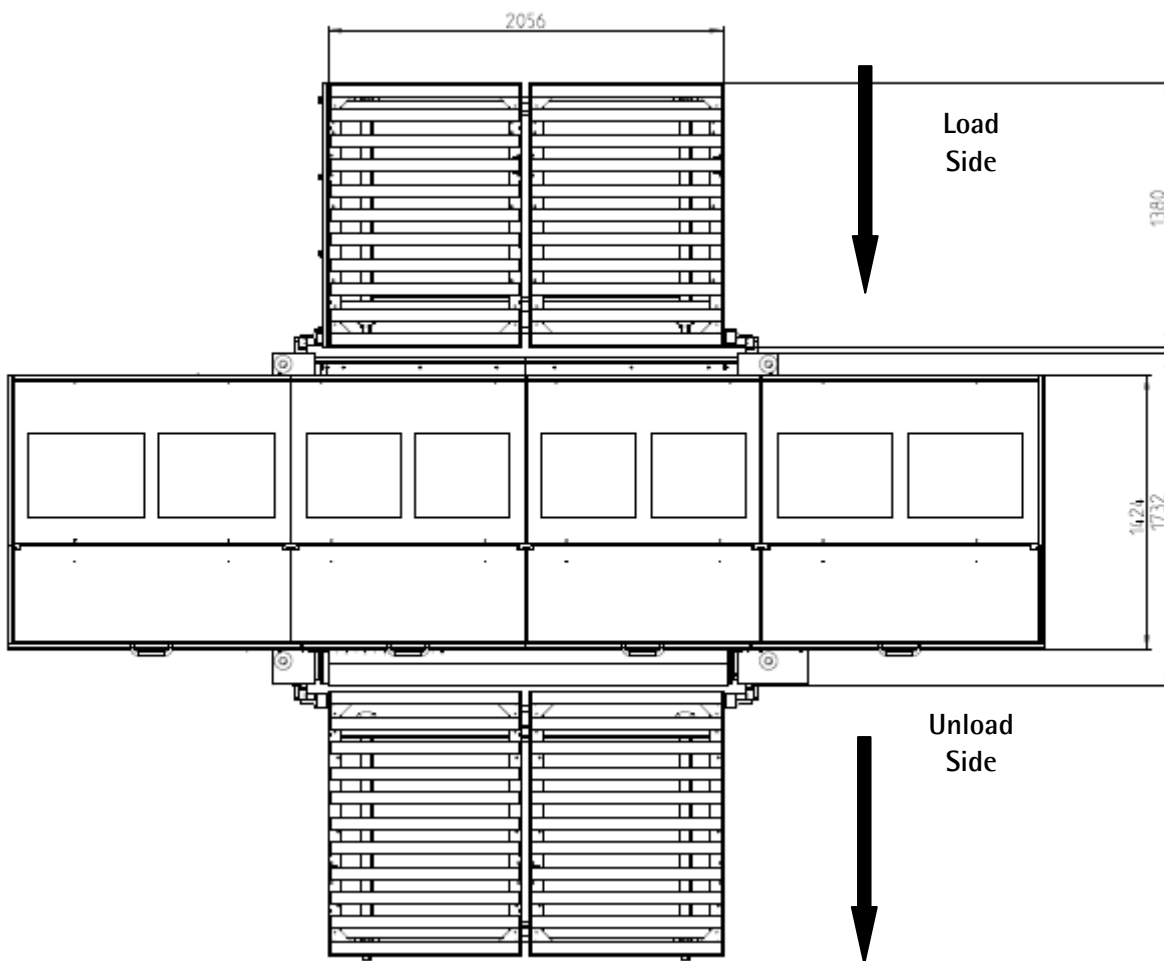
Rear View (Unload Side):



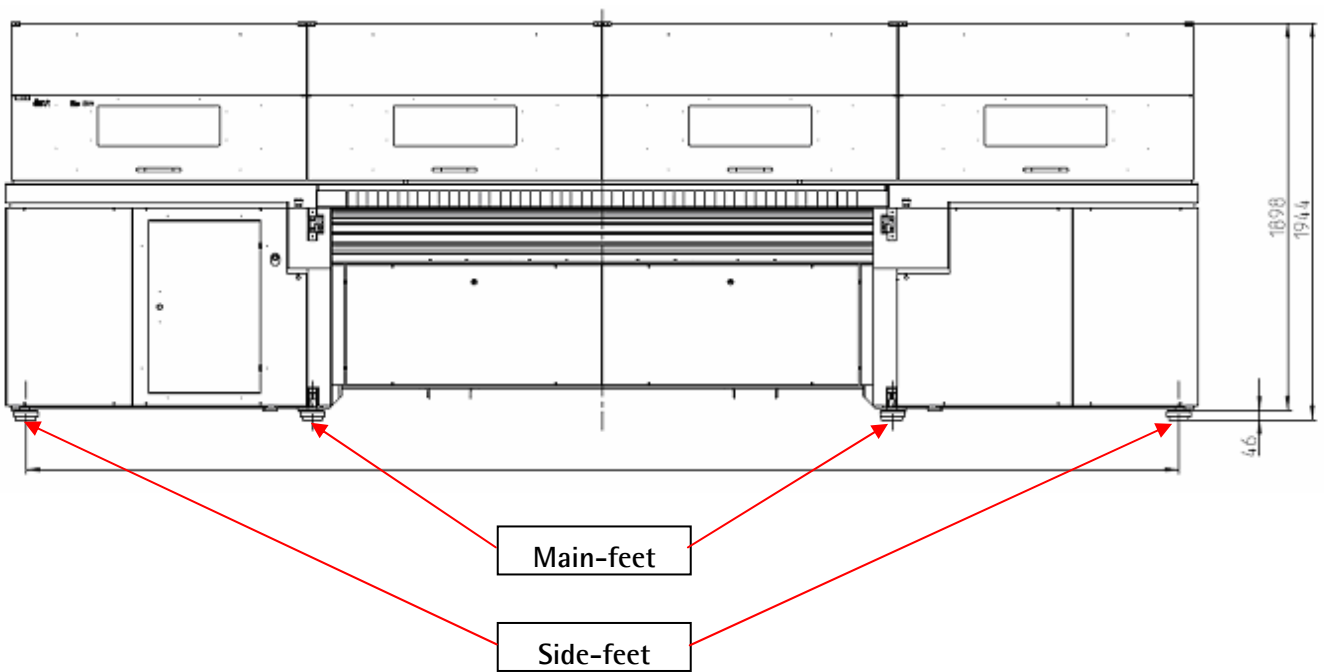
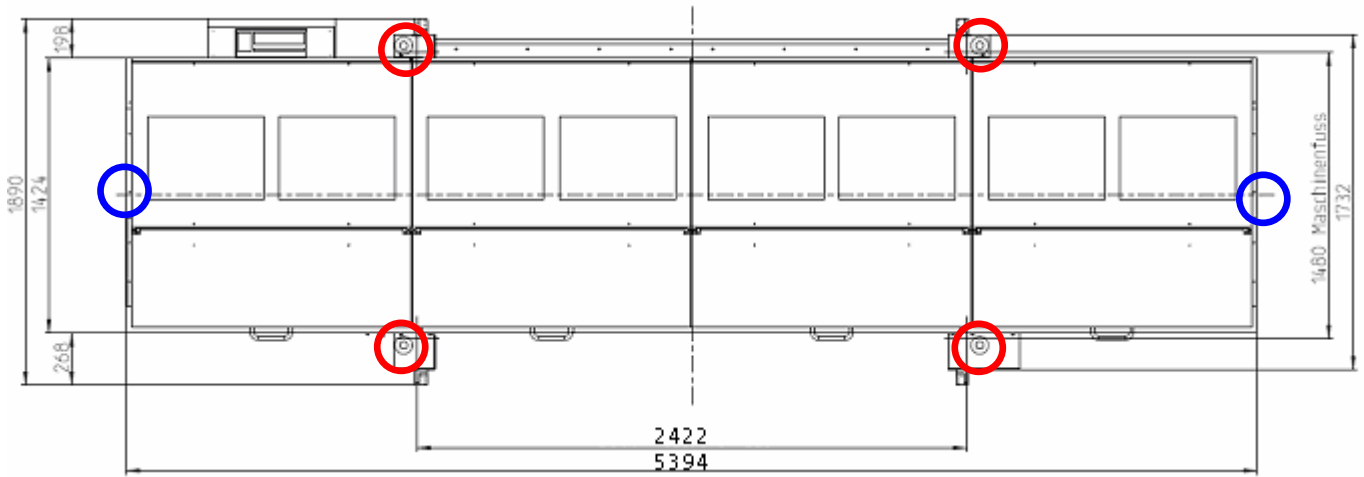
6.2 Side view:



6.3 Top view (no extras):



6.4 Position of machine-feet:



6.5 View in 3D:

