Introduction:

Carestream Industrex M37 Plus Processors are sold with installation provided (and required) by a Carestream approved installer. This is to assure proper installation, set-up of the processor and training of the operator(s) and service personnel.

Carestream will work with the installer and selling coordinate installation. The identified service provider or selling dealer will be responsible for assuring site preparedness and adherence to site requirements and specifications.

Attached is a checklist to be used for this purpose.

Please review the checklist and Site Specifications and Pre-Installation Guide and return it to Carestream as directed on the checklist.

Carestream will arrange and coordinate installation, which generally requires 2 days. One day for installation and a second day for proper set-up, training of operator and service personnel and system check out.

After the completed and signed Checklist is received by Carestream, installation can occur.

Proper installation of the processor and training is essential for proper operation and maintenance of the processor.

Thank you for your cooperation.

David P. Reining

Senior Systems Engineer and Industrex Processor Installation Coordinator

Site Inspection and Preparation:

It is necessary for a qualified person at the customer facility to perform a site survey to ensure the working area and all services to and from the processor is prepared in accordance with the processor specifications and meets all local health and safety standards.

IMPORTANT: This is intended as a checklist to verify proper site preparations prior to an installation. The customer must thoroughly read the SITE SPECIFICATIONS and DATASHEET for the CARESTREAM INDUSTREX M37 Plus Processor, prior to filling out the check list.

Check if correct. Record Values (such as incoming voltage). Note any exceptions.

1.	Access	ccess:				
		Measure all access points from the door of entry at to the final position of the processor, to be sure the processor can be taken to and positioned in the selected working area without the need to disassemble any parts. If any disassembly is required this information to be then passed to the installation engineers before the processor is delivered. Doorways should be a minimum of 31 inches (77 cm.) wide.				
2.	Darkroom Layout:					
		Clean area and darkroom with level floor, to place the processor.				
		Through-the-Wall Installation requires the customer to prepare the				
		opening and provide materials to adequately seal the opening for light-tightness.				
		Service access of a minimum of 20 inches around the processor.				
		Utilities (power, water, drain) including a sink and tempered water for cleaning				
		Area for chemical replenishment containers and tempered water available for mixing				
		Work surface for tools and servicing components of the processor				

3. Darkroom Environment and Ventilation Requirements:

NOTE: Verify and adhere to local codes

hose.

Room Temperature: 59–72°F (15–22°C) () Relative Humidity: 15 - 76% RH, non-condensing over operating temperature Maximum altitude 2424 m (8000 ft) Altitude: above sea level. Room lighting should not exceed 450 lux Ambient Light: (150 ft-candles) at the processor. The room must be capable of going completely dark when loading film into the processor. Room Ventilation Volume—10 room air exchanges/hour with good airflow through the whole room 66°C (150°F) maximum Exhaust duct from the building with an Processor Exhaust: Adjustable Air Gap, 0.76-2.54 mm (0.03-0.10 in.) 10.2 cm (4 in.) duct Check local codes for venting requirements: • If venting is not correct, fumes will corrode the equipment. Do not install the film processor or accessories if the venting is not correct. • If the film processor is installed with an auto-feeder or if the feed table is located in the darkroom and the film processor is installed in a daylight location, the darkroom must have adequate pressure to ensure a positive airflow from the feed to the dryer to avoid condensation problems. The airflow is correct when the

•If the ventilation is to be connected to the film processor, measure the negative static pressure in the exhaust duct.

Use a DWYER 460 AIR METER or equivalent instrument for measuring air-flow and negative static pressure is required to measure dryer exhaust

fumes are flowing out the film processor through the exhaust

4. Plumbing:

All plumbing requirements must comply with local and national codes. Do not use iron pipes. All drain material must be made of chemically resistant, non-corrosive material. Use PVC or the equivalent.

Water	Supply (Fresh):				
Note: /	A mixing valve is recommended				
	Temperature between 45–59°F (7°C - 15°C)				
	NOTE: Water temperature above 59°F (15°C) requires a chiller.				
Filtered, 10-micron water filter is recommended in the input water					
	Flow Volume 2.5 L/min (0.66 gal/min), used on demand only				
	Pressure of 29 – 116 psi (2–8 bars)				
	Location, accessible to both the processor and the replenishment tanks				
	Shut-off valve and a high pressure water hose with a 3/4 in. hose				
	connection, used from the supply tap to the film processor water inlet				
	solenoid, using a DVGW system or a pipe device (not supplied)				
	A separate tempered water supply is recommended for cleaning the				
	processor and for mixing chemicals.				
	Note: Recirculated/reused water is not allowed. Only fresh water.				
Drains	and Chemical Effluent:				
	Size: 1.26 in. (32 mm) hose connection				
	Minimum diameter: 3 in. (7.6 cm) with no obstructions				
	Distance from the film processor: 60 in. (1.5 m)				
	Height from the floor: Top of the drain or drain containers must be lower				
	than the bottom of the film processor.				
	Drain hoses should be free of bends and with a constant fall. The drain				
	must be ventilated. A floor or wall drain may be used which should				
	include an anti-siphon system. Do not use brass or copper drain lines.				
Chemi	cal Effluent:				
	The disposal of the effluent must comply with all local environmental				
	safety codes and regulations. The fixer can be collected separately in a				
	plastic container (storage tank) or directly connected to a silver recovery				
	unit. The developer overflow can be collected in a plastic container.				

Note: Recycled Fixer or In-Line Silver Recovery is not permitted.

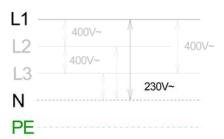
5. Chemical Replenishment:

Room for two 8 gal. (30L) replenishment containers (that are supplied with the processor).

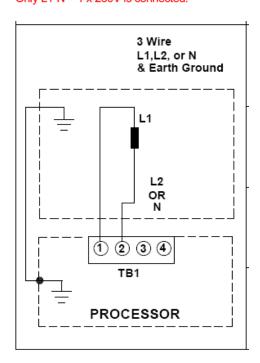
6. Electrical Supply:

Note: Consult the Processor Datasheet and Site Specifications

- ____ Single phase, 230 VAC, 2.0 kW
- Separate 13 Amp fused socket with earth leakage protection is required.
- _____ Appropriate plug for the power cord or wire directly, as per local code.



Attention: Only L1-N = 1 x 230V is connected.



Please return the completed form to indicate site readiness for processor installation.

Customer Information		
Customer Name:		 _
(Print clearly)		
Customer Address:		_
Customer Contact Inform		
Customer Signature:		 Date:
Callina Daalan Infansati		
Selling Dealer Information	<u>on</u>	
Dealer Name:		 -
(Print clearly)		
Dealer Address:		_
		_
		_
Dealer Contact Informat	tion:	
		-
Servicing Dealer Informa	ation	
Dealer Name:		
(Print clearly)		
Dealer Address:		_
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Dealer Contact Informat	tion:	
		