

LTC has introduced a full range of highly engineered vacuum blasting machines which have been developed after a careful study of Public Authorities, contracting and industrial end user needs for closed circuit blasting equipment.

Unique Techniques

The LTC series machines are fully integrated and can provide continuous recycling operations. Both the LTC 1060 and the LTC 1070 utilize a single chamber or unique double chamber pressure vessel system. The models LTC 1020 through LTC 1050 use a suction technique to transport the abrasive to the blast head. All machines come standard with a special lightweight blast head, blast and vacuum hose assembly, as well as a set of brushes to treat flat surfaces, inner and outer corners. Other brushes and attachments for a wide range of curved and other special shaped surfaces are available or can be engineered and home made. The very special fibres used in LTC brushes ensure performance and economy.

Containment

The unique quality of containment achieved by LTC machines effectively eliminates all airborne dust particles and containments, in some case in excess of 99%. This avoids interference of nearby work processes, and assures a non hazardous and greatly improved environment for workers.

Reduces abrasive costs

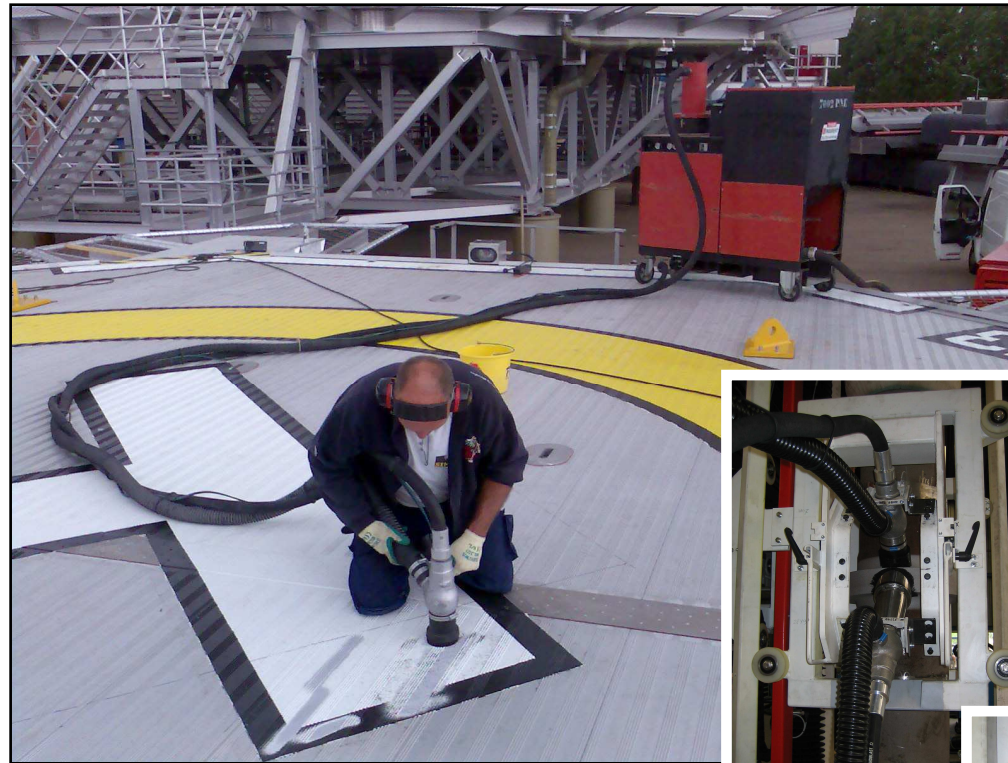
The continuous recycling feature of LTC equipment permits the use of long life abrasive media; 12 to more than 200 cycles, depending on the media choice and surface treated. The LTC 1070 can blast at pressures up to 8 bars, which makes the use of steel grit economically viable now. (80 till 90% reduction of abrasive costs in compare with Aluminium Oxide).

The blasting pressure.

Due to a renewed design of the pressure vessel of the LTC 1070, it is now possible to work with a blasting pressure as low as 1 bar and high as 8 bars. This means that the LTC 1070 vacuum blasting technique can be used on blasting jobs where blasting on low pressures is necessary. With the aid of special selected abrasives, now it is possible to clean delicate surfaces and soft materials, such as natural stone, glass and white metal. These surfaces (monumental buildings, the aircraft industry and moulding industry) can be blasted without damaging or creating an anchor pattern.

The economics of vacuum blasting

With containment structures eliminated and disposal costs reduced by approximately 95%, added to the highly increased production rates of LTC series machines, vacuum blasting becomes at last truly economic viable.



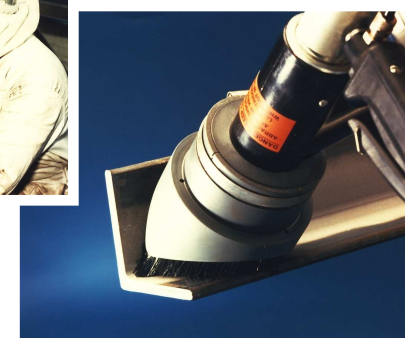
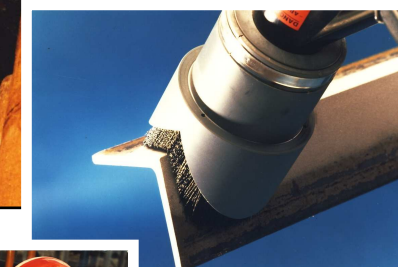
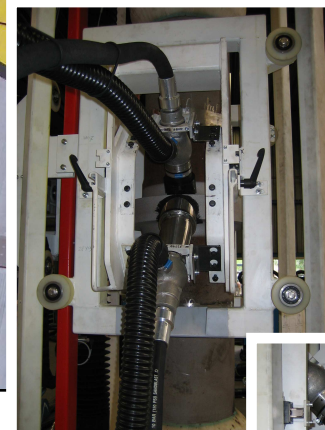
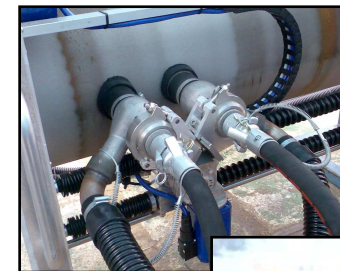
Other works can be continued during blasting

Compressed air requirement

The LTC machines are all available with a electrical driven vacuum generators so as to minimize the compressed air requirements. In addition models LTC 1030, LTC 1050, LTC 1060 and LTC 1070 are available in the fully pneumatic version, eliminating the need for any direct power supply. The choice is yours.



Removing dirt, coatings & graffiti from buildings



Product development

LTC International's technical sales and engineering department welcome all requests from end users to develop custom made equipment and attachments for specific surface preparation needs.

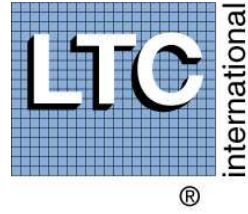


Offshore pipe joint blasting



Applications

- Aircraft manufacturing & Maintenance industry
- Manufacturing industry
- Masonry & Concrete Structures
- Military Facilities & Equipment
- Oil & Petrochemical installations
- On-board Ships and Off-shore Industry
- Offshore piping industry
- Power plants
- Plastics and Rubber processing industry
- Shipyards and Port installations
- Steel & other Metal Fabricators
- Transportation Systems (Vehicles, Bridges etc.)



VACUUM-BLASTING

Technical Specifications



LTC 1020

LTC 1030

LTC 1050

LTC 1060 - LTC 1070

	EP	EP	PN	EP	PN	EP(E)	PN(E)	EP(E)	PN(E)
Blast media capacity in ltr.	9	17	17	28	28	40 (24)		40 (24)	
Maximum blast hose length in m.	5	5	5	5	5	10	30	12	45-60
Empty Weight in kg.	25	34	34	70	68	560 (535)	525 (500)	590 (565)	525 (500)
Dimensions in cm. (lxwxh)	41x53x93	41x53x114	41x53x132	53x61x132	53x61x140	157x75x186		157x75x186	
Required compressor capacity in l/min.	480	1000	2300	1600	3500	3500	3500-7000	3500-5000	3500-10000
Maximum blasting pressure in bar	3-6	3-7	3-7	3-7	3-7	1.5 -5.5		1.5-8.0	
Electric current in Volt (VAC) Electric power in Watt	230 1000	230 2000		400 3300		400 4000		400 9200	
Maximum abrasive size in mm.	1.0	1.0		1.2		1.5		1.5	
Average width blast pattern in mm.	15-17	20-22	20-22	28-32	28-32	50/75	50/75	50/75	50/75
Average production capacities*: - Corroded steel, shot primer, light coatings en mill scale - Heavily Corroded steel, heavy coatings, Chloron rubber - Steel weld seams - Stainless steel weld seams (decolourisation) - Concrete, bricks, natural stones - Cement film removal or light coatings, graffiti - Removal heavy coatings - Cleaning without damaging	spot blasting 40-50 m/hr 20-40 m/hr spot blasting spot blasting spot blasting	0,5-1,0 m ² /hr spot blasting 40-50 m/hr 20-40 m/hr spot blasting spot blasting spot blasting		1,2-1,5 m ² /hr 0,5-1,0 m ² /hr 50-60 m/hr 40-50 m/hr 1,5-2 m ² /hr 0,5-2 m ² /hr 1,0-2 m ² /hr		4-6 m ² /hr 2-5 m ² /hr 70-80 m/hr 60-70 m/hr 8 - 18 m ² /hr 4 - 10 m ² /hr 4 - 12 m ² /hr		6-9 m ² /hr 3-6 m ² /hr 90-120 m/hr 60-70 m/hr 8-18 m ² /hr 8-18 m ² /hr 4-12 m ² /hr	

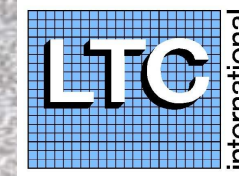
*) All mentioned values are averages and may vary due to surface conditions, machine use and experiences of the operator.

EP: Electric-pneumatic PN: fully pneumatic (E): single chamber pressure vessel

LTC International BV
Ketelweg 26
3356LE Papendrecht
The Netherlands

PO box 1029
3350CA Papendrecht
The Netherlands

Telephone +31- (0)78-6418050
Telefax +31- (0)78-6418059
E-mail info@ltc-international.nl
Internet www.ltc-international.nl



LTC International



LTC International
and the new age
of vacuum blasting