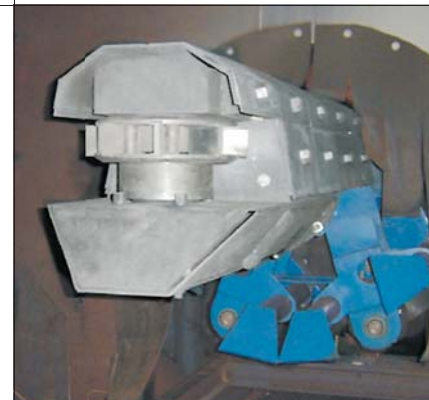


# Shotblasting | PIPES



EXPERIENCE – TECHNOLOGY - DEVELOPMENT





## Shotblasting | PIPES



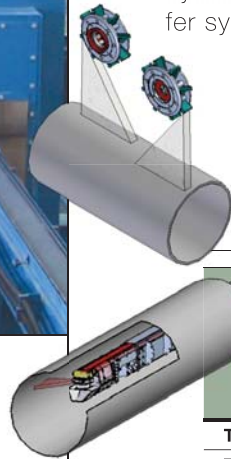
Cym Materiales SA manufactures shot blasting machinery for internal and external cleaning of pipes used for materials such as: gas, water, petroleum, petrochemical, aeolic power generation, etc according to the requirements of each customer.

The TUB-E equipment line is designed for continuous external blasting. The abrasive is propelled by centrifugal turbines. The number of turbines of each machine depends on the size of the pipe to be blasted and the processing speed required.

The TUB-I equipment line is designed for internal pipe blasting by batch process. The abrasive for pipes less than 600 mm in diameter is propelled by compressed air nozzles. For pipes over 600 mm in diameter the abrasive is propelled by centrifugal turbines.

The TUB-IE equipment line uses batch-type processing for blasting the internal and external pipe surfaces of large diameter pipe (over 600 mm to more than 4000 mm) at the same time (simultaneously).

The machines are supplied with accumulation ramps (inlet and outlet), hydraulic loading and unloading and powered pipe rotation and transfer system.



### PIPES CLEANING MACHINES

MODELO	BLASTING		TURBINE		AIR COMPRESSED		MAXIMUM SIZE		PRODUCTION
	Internal	External	Quantity (1)	HP	Nozzle (1)	m <sup>3</sup> /min (2)	Diameter mm	Length mm	m <sup>2</sup> /min. (3)
TUB 4 E		X	1-2	7.5 - 10 - 15 - 20 - 30 50 - 75 - 100			102	(4)	0.5 a 20
TUB 20 E		X	1-2				610	(4)	0.5 a 20
TUB 48 E		X	1-2				1219	(4)	0.5 a 20
TUB 60 E		X	1-2				1524	(4)	0.5 a 20
TUB 60 I	X		1-2				1524	(4)	0.5 a 20
TUB 160 I	X		1-2				4064	(4)	0.5 a 20
TUB 160 IE	X	X	1-2				4064	(4)	0.5 a 20
TUB 24 I	X					1-3	7.5	610	(4)

**Note:** (1) The number of turbines and nozzles according to customer requirement  
 (2) 7 Kg/cm<sup>2</sup>. (3) The given production volume should be taken as a reference and may vary according to the work to be performed and the type of surface to be shot blasted.  
 (4) Maximum length according to customer requirement

### Advantage of the use of wheel blast machines:

- Higher production volume, minimizing operating cost.
- Enhanced finish homogeneity of processed pieces.
- Automatic shot blasting process, which does not require skilled labor.
- With adequate equipment operation, there are no health problems for the staff, or damage to the facilities.
- They do not pollute the environment.

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