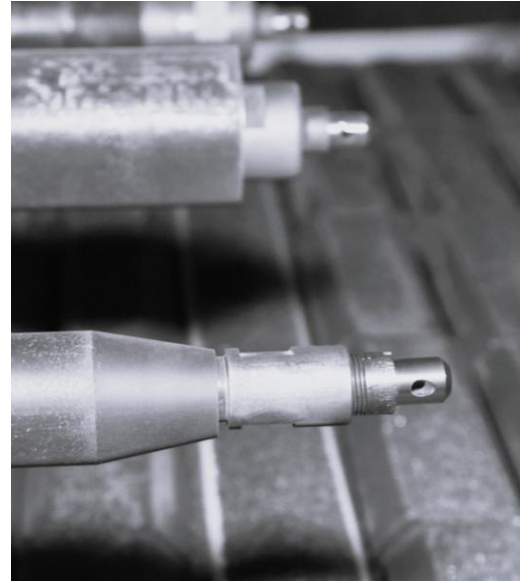




TECHNICAL REPORT

ACCESSORIES FOR INTERNAL PIPE BLASTING



CYM MATERIALES S.A.
INDUSTRIAL SOLUTIONS

CY-Conblast 1/4" blasting head (CYT02521)

The components and operation of the CY-Conblast 1/4" head are similar to those of the CY-Conblast 1/2" unit, but it is used in pipes from 3/4" to 2" in diameter.

It works with a 6 mm nozzle and consumes 2.5 m³/min at 7 bar (80 cfm).

The assembly is completed with a set of centering rings for different diameters.



CY-Conblast 1/2" blasting head (CYT02516)

The CY-Conblast 1/2" is a device for internal blasting of pipes from 2" to 12" in diameter. It combines a venturi-design nozzle with a tungsten carbide deflector, projecting abrasive through a full 360°. The bore is 1/2" and compressed-air consumption is 6 m³/min at a pressure of 7 bar (200 cfm).

Head carriages and rings (optional): centering accessories are available to keep the device centred inside pipes of different diameters.

- Centering ring, 2" to 5" range (code CYT02517)
- Centering carriage, 5" to 12" range (code CYT02518)



CY-Tornado blasting head (CYT02534)

The CY-Tornado head allows internal blasting of pipes without rotating the pipe. Its operating principle is that the head itself rotates through the centrifugal action of the air jets from two nozzles mounted on it.

The internal seal between the rotating and fixed parts is made of a polyurethane material with very high abrasion resistance.

The two blasting nozzles are No. 4, 6 mm, with a total consumption of 5 m³/min at 7 bar.



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Head carriages

Three different types of head centering carriage allow internal blasting from 8" to 60" in diameter. The carriages have sliding wheels and are adjustable to the diameter of the pipe being blasted.

- Centering carriage, 8" to 12" range (code CYT08030)
- Centering carriage, 12" to 36" range (code CYT08031)
- Centering carriage, 40" to 60" range (code CYT08032)



Hose for internal pipe blasting heads with remote control

For use with the CY-Conblast 1/4" and CY-Conblast 1/2" internal blasting heads and the Tornado head, in lengths of 10 m (CYT00087) and 20 m (CYT00085), including twin hose with connectors and ball-type or trigger-type remote control.



Side-outlet blasting nozzle

They are built with a tungsten carbide core and a 50 mm coarse aluminum mounting thread. They are offered with abrasive bores of Ø 6 mm (CYT02511) and Ø 8 mm (CYT02528), with a side outlet at 45°.



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Gri-Puller pusher for abrasive hoses

An abrasive hose drive system (code: Y3470001) mounted on a self-supporting steel frame, to be placed at one end of the pipe to be blasted.

The system consists of:

- Frame built from steel sections
- Pinch-roll system consisting of
- Driven lower steel roller mounted directly on the gearmotor shaft
- Idle upper steel roller with counterweight pressure system.
- 0.5 hp gearmotor
- Electrical panel
 - Working and control voltage: as required
 - Frequency converter for hose feed speed control. Control is from the control panel to adjust the hose feed rate: factory setting range 0.23 - 4.6 m/min (this range can be adjusted to suit the user's needs).

BLASTING EQUIPMENT

In Argentina, CYM Materiales designs and manufactures centrifugal wheel and compressed-air blasting equipment: blast rooms and blast cabinets, hanger, table, tumble and belt blast machines, lines for profiles, plates and pipes, and portable units, together with the accessories and consumables each process requires.

The Engineering department surveys the customer's process —part, required output and surface finish— and defines the equipment, the wheel power and the recovery and dust collection system to be used.

CYM Materiales S.A. · Engineering Department · August 2026



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