



SURFACE  
PREPARATION  
SPECIALIST

Blast Cabinets



**CYM MATERIALES S.A.**  
Industrial Solutions





Cym Materiales SA, leader in the manufacture of shot blasting machines, has a line of blast cabinets specially designed for blasting small productions, which stand out for their low investment cost and great versatility, adapting to the needs of each customer.

Common applications like cleaning molds, removing burrs, etching glass, stone or plastic, maintenance, shot peening, decorative finishing of aluminum or stainless steel, among many other applications

The blasting cabinets project all kinds of metallic, mineral or vegetable abrasives such as steel shot, micro glass spheres, aluminum oxides, quartz, walnut shells, among others.

Depending on the equipment model and its production capacity, the abrasive can be driven by suction nozzles or pressure tanks.

Our cabinets guarantee operator safety and care for the environment, obtaining optimum quality results without emitting any type of dust or pollutant pollution and with a low noise level.

# Features Construction – Light Duty Serie



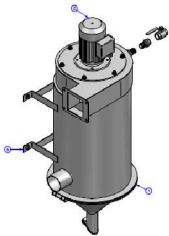
## Blast Cabinet

- Light Series Suction Blast Cabinets are a range of economically priced, lighter duty suction blast cabinets, ideally suited for intermittent use, and low production blasting applications.
- Constructed of 2 mm thick steel with Internal grid for parts support.
- Unique Two (2) access door design for added versatility.
- Extra large operator viewing window.
- Viewing window and cabinet light protective tear off covers.
- Heavy duty wear resistant rubber gloves to protect the operator and provide long wear life.



## Projection of Abrasive – Suction

- High performance suction gun assembly featuring 3mm (1/8") air tip with 6mm (1/4") blast nozzle.
- Simple, robust foot pedal blast control.
- Adjustable abrasive feed control. to operate on virtually any abrasive type.



## Dust Collector

- 1200 watt high performance dust collector with replaceable dry filter cartridge.
- Keep the blast cabinet ventilated and free of dust in suspension for the correct visibility of the operator.
- Single phase 220v connection



| Blast Cabinet – Light duty serie |                    |      |      |      |      |                   |      |      |      |                    |          |            |
|----------------------------------|--------------------|------|------|------|------|-------------------|------|------|------|--------------------|----------|------------|
| Model                            | Size (mm)          |      |      |      |      |                   |      |      | Watt | Suction Projection |          |            |
|                                  | Internal Dimension |      |      | Door |      | Overall dimension |      |      |      | Nozzle             | Injector | Airm3/ min |
|                                  | Wide               | Deep | High | Wide | High | Wide              | Deep | High |      |                    |          |            |
| CY48S                            | 1200               | 610  | 575  | 500  | 495  | 1320              | 930  | 1670 | 1236 | Ø 6                | Ø 3      | 0.6        |
| CS37                             | 940                | 610  | 575  | 500  | 490  | 1040              | 930  | 1650 | 220  |                    | Ø 3      | 0.6        |



# Features Construction – Heavy Duty Serie



## Blast Cabinet

- Specially designed for heavy work. designed for use with a wide range of abrasive media
- Constructed of 3.2mm thick steel
- Two (2) heavy access door constructed of 6.4 mm thick steel
- Extra large operator viewing window.
- Heavy duty wear resistant rubber gloves to protect the operator and provide long wear life.
- Interior lighting on the cabinet ceiling with low consumption double LED tube and protective laminated glass.
- Optional: Interior lining of the main cabinet in high abrasion resistance rubber.



## Projection of Abrasive

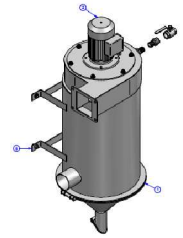
### Suction

With high performance gun made of cast aluminum and tungsten carbide or boron nozzle as needed

- Modular construction allows to quickly transform the projection system from abrasive suction to pressure projection (or vice versa) without the need to carry out reforms on the equipment
- Simple, robust foot pedal blast control and adjustable abrasive feed control. to operate on virtually any abrasive type
- Air blow gun for removal of abrasive and dust.

### Pressure

With CY70D sblast pot manufactured under ASME code, semi-elliptical head and conical bottom with cylindrical waist



## Dust Collector

- Integral cartridge reverse pulse dust collector to keep the cabinet ventilated and visually clear for the operator.
- Three dust collector allow selecting the correct model according to the level of dust generated by the process.
  - **CART1VS (0.75 hp)**
  - **CART 1V (1.5 hp)**
  - **CART 2C (4hp)**



## Optional

- Oscillating nozzle handlers for automatic processes
- Mobile parts support trolley with turntable for processing heavy parts
  - Rotary drum for shot blasting small parts in bulk
- Silencer for dust collector

# Technical Data – Heavy Duty Serie

| Blast Cabinet – Heavy duty serie |            |                    |      |      |      |      |                   |      |      |     |                    |            |               |
|----------------------------------|------------|--------------------|------|------|------|------|-------------------|------|------|-----|--------------------|------------|---------------|
| Model                            |            | Size (mm)          |      |      |      |      |                   |      |      | HP  | Suction Projection |            |               |
|                                  |            | Internal Dimension |      |      | Door |      | Overall Dimension |      |      |     | Nozzle             | Injector   | Airm3/<br>min |
|                                  |            | Wide               | Deep | High | Wide | High | Wide              | Deep | High |     |                    |            |               |
| Suction                          | CY 0807 S  | 800                | 700  | 700  | 450  | 610  | 950               | 105  | 1750 | 0.5 | Ø 8                | Ø 3<br>Ø 4 | 0.6<br>1      |
|                                  | CY 0807 SG | 800                | 700  | 700  | 450  | 610  | 950               | 1280 | 1750 | 1.5 |                    |            |               |
|                                  | CY 1210 S  | 1200               | 1000 | 1000 | 800  | 800  | 1350              | 1500 | 2050 | 1.5 |                    |            |               |
|                                  | CY 1618 S  | 1600               | 1800 | 1150 | 1500 | 1200 | 2650              | 3600 | 2950 | 4   |                    |            |               |
| Pressure                         | CY 0807 P  | 800                | 700  | 700  | 450  | 610  | 800               | 1200 | 2400 | 1.5 | Ø 5<br>Ø 6         |            | 1.5<br>2.5    |
|                                  | CY 1210 P  | 1200               | 1000 | 1000 | 800  | 800  | 1350              | 2340 | 2460 | 1.5 |                    |            |               |
|                                  | CY 1618 P  | 1600               | 1800 | 1150 | 1500 | 1200 | 2640              | 3620 | 2950 | 4   |                    |            |               |
|                                  | CY 1618 PA | 1600               | 1800 | 1150 | 1500 | 1200 | 2640              | 3620 | 4550 | 5   |                    |            |               |

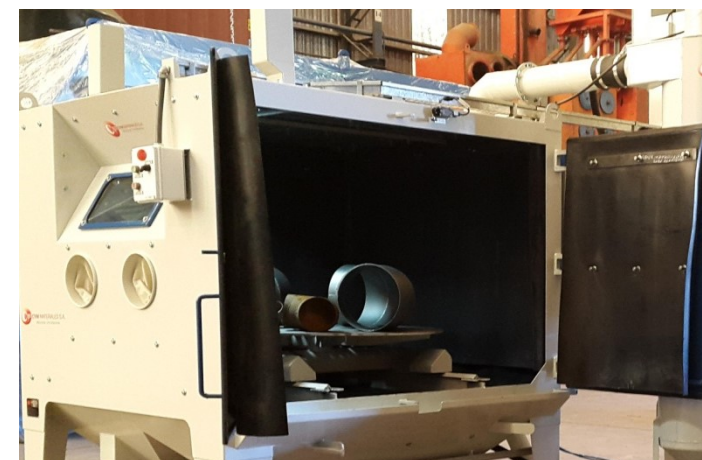
Nota:

Values for pressures of 7 Kg./cm<sup>2</sup> -

If the equipment you require is not in this catalog please contact our sales or engineering departments which will help to develop the best equipment to suit your needs with our goal to reduce operating costs and increase profitability in your production systems.

## Common Applications

- De-scale and de-rust metal surfaces.
- Surfaces preparation for application of all types of coatings.
- Remove paint and powder coating.
- De-burr, de-flash and remove sand from castings and mouldings.
- Provide decorative finishes to stainless steel, aluminium and other non-ferrous metals.
- Etching of glass, stone and metals.
- Removal of release agents and contamination from moulds.





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