Inner pipe blasting – Optimal blasting in difficult-to-access areas

Pipe interiors are awkward to access, while demanding a high degree of surface cleanliness prior to coating. Clemco’s pipe-blast tools combine total coverage of pipe interiors with precise and efficient performance. Clemco has devoted years to refining the technology of blasting and coating pipe interiors, and draws on this experience to deliver the highest-performing pipe tools available.
Internal pipe blasting

- Simple operation
- High-quality material
- Durable construction
- Long lifetime
- Minimal maintenance

Engineered by Clemco

The perfect tools – For any pipe

«High standards in pipe blasting and coating call for high quality tools to do the job»

Pipes connect our world. Their applications are manifold: as transport piping in the energy sector, in the industrial sector, or as construction elements. Modern coatings protect pipes sustainably against corrosion, but exert high demands on the preparation of the substrate.

Clemco’s proprietary blast technology applies an even, 360° blasting stream to the inner wall, leaving a consistent blast pattern ready for any coating. Selecting the proper pipe tool requires sizing the pipe accurately. Smaller inner pipe diameters up to 304 mm are best treated with a Holloblast or Holloblast jr. tool, which utilize a deflection tip to create the 360° blast pattern. For pipes with inner dimensions greater than 304 mm, Clemco recommends a Spinblast tool, which uses a rotating blast head to deliver a high-impact, consistent blast finish. Clemco pipe tools can be used on pipe interiors up to 1500 mm in diameter.

The rotating blast head is actuated by either a compressed air inlet or a separate air motor. When blasting larger diameter pipes, or blasting a large volume of pipe, Clemco recommends using an air motor powered pipe tool, which delivers the perfect balance between reliable precision, durability and high-volume blasting.

System components

All internal pipe tools are sold with centering equipment, which is easily adjustable to the appropriate internal dimensions.
Internal pipe coating

- Simple operation
- Automatic adjustment
- Wide surface coverage
- Perfect quality

**Engineered by Clemco**

**Internal pipe coating –**
Precise coating application for long-term durability

«High quality coating of the inside of pipes prevents damage, downtime and expensive repair work»

The Clemco Orbiter applies a wide range of coating types easily and evenly to the inner diameter of piping, following the blast process. Set at one end of the pipe and returned along its length, the Orbiter applies a consistent layer of paint through a rotating atomizing nozzle, assuring even coating.

The Orbiter is centered automatically at the push of a button via a pneumatically-controlled centering carriage. All standard airless coatings can be used with the Orbiter. The thickness of an applied coating is determined by the coating’s viscosity, nozzle size and the travel speed along the pipe. Please refer to information given by the coating manufacturer for further detail.

**Endless coating variations**
- Priming
- Lacquer
- Protective coating

**System components**

The Orbiter III is compatible with any available airless pump and comes in the following two sizes:

Orbiter I: for pipe diameters 90 - 180 mm
Orbiter III: for pipe diameters 180 - 950 mm