

Burn-off Machine BOM 01 NC



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Burn-off Machine BOM 10 NC, developed by GLAMACO, using the company's 50 years of experience in glass technology and machine construction. GLAMACO machines are used by glass manufactures all over the world, where they are appreciated for their reliability, performance, high productivity and cost-effective operation.

Features of the single station Burn-off machine BOM 01 NC;

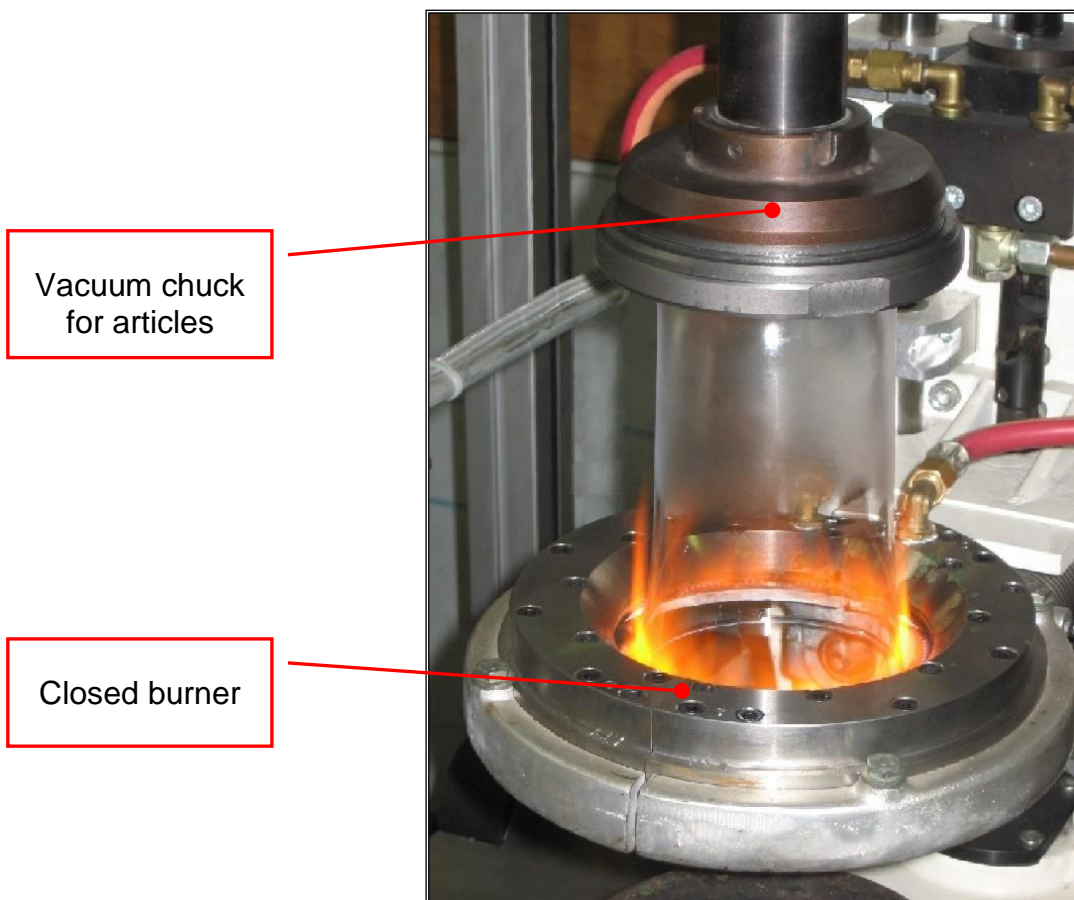
- capable of producing a wide range of quality products (tumblers, coffee pots, bowls, vases, hard glass light bulbs, labware)
- extremely precise and uniform dimensions for cut and rim
- processor control for trouble-free operation
- simple and quick job change
- easy operation and maintenance
- economical operating costs

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The machine consists of:

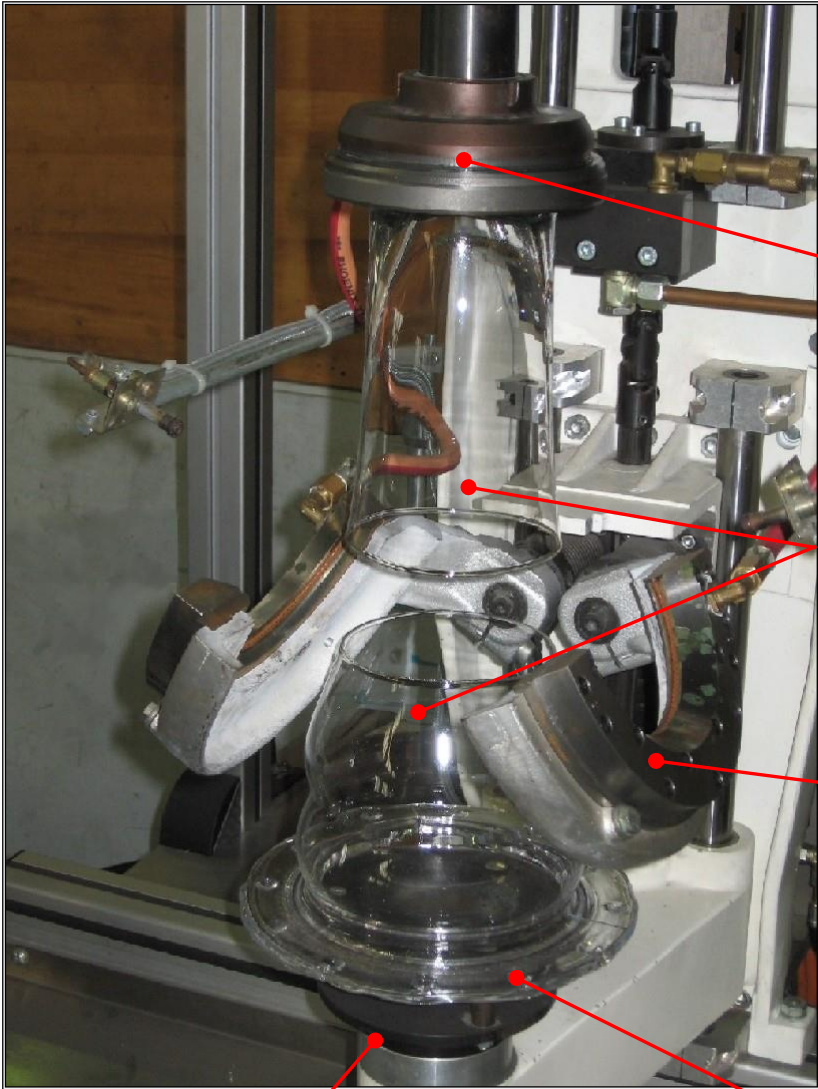
- One station for burn off process
- Vacuum chuck to hold and rotate the article
- Burner can be opened to load articles with large residual tablets (doughnut)
- Single drive for station and rotary table
- Controlled cap removal by means of removing table
- Control cabinet
- NC axes for controlled raising of the rotary table assembly

**Burn-off process, at the point of rim melting**

The Burn-off machine BOM 01 NC is a single-station machine used for cutting away the blown caps (doughnuts) of rotary symmetrical glass articles and heating and melting the rim. NC axes are provided for controlling the raising of the cup slide and lifting of the rotary table assembly. It is possible to use either natural gas or Hydrogen (special burners for Hydrogen). The BOM 01 NC can be used as part of a robotic assembly to exchange the articles automatically.

The capacity depends on:

- Burn off diameter
- Wall thickness
- Feed temperature
- Use of natural or Hydrogen gas
- Burner geometry



Vacuum chuck for articles

Article (large vase, soda lime glass)

Open burner

Lifting table

finish, vase cutting

Blown cup (doughnut) diameter 220 mm

Specifications:

Article diameter	(mm)	30 ... 220
Melt off diameter	(mm)	30 ... 220
Article height	(mm)	40 ... 400
Pre-process height of article	(mm)	55 ... 570
Height variation of articles	(mm)	1
Height variation of raw glass articles with remaining ring	(mm)	1
Cup height	(mm)	15 ... 170
Remaining ring height	(mm)	50 ... 210
Glass wall thickness	(mm)	1 ... 3
Tolerance	(± mm)	0.2
Maximum tilt of article centre on plane remaining ring at a raw glass height	(± mm)	0.2
Station speed	(per min)	30 ... 300
Capacity	(max. items / min)	3
Machine dimensions	(mm)	
	Length	1,200
	Width	1,000
	Height	2,400
Machine requirements	(MPa)	
	Vacuum	- 0.08
	Compressed air	0.5 ... 0.7
	Natural gas	0.2 ... 0.4
	Oxygen	0.2 ... 0.4
Electrical power 3NPE, 50 Hz, 400 V	(kW)	12
Weight	approx. (kg)	500

Delivery includes:

- Frame
- Pipe mounts
- Station
- Service installation
- Set of burners at customer's request
- Vacuum cup set at customer's request

Option:

- Moil retraction system for better rim quality