



SCRIBER

PNEUMATIC PLATE MARKING SYSTEM



Performance Benefits

The BURNY® Scraper reduces overall layout costs by making it easy to precisely scribe bending lines, assembly reference lines, holes, hole centers, part numbers, heat numbers, etc., prior to cutting steel plates or other materials.

It is available from the Burny Division of Cleveland Motion Controls, internationally recognized for dedicated shape-cutting control systems that improve productivity and reduce costs.

Design Features

The BURNY® Scraper is a lightweight aluminum casing that can be easily retrofitted to almost any cutting station. With it, users can scribe up to 100 inches per minute (2.5 meters per minute) (depending on maximum machine speeds) on steel plate, stainless steel and other materials.

Numerous other design features include:

- Scribing station comes complete with 2 precision ball screw slides
- Adjustable up and down speed
- Height adjustable for plate thickness
- Air consumption less than 1 cfm (472 ml/sec)
- Adjustable scribing depth
- Long-life stylus
- Durable aluminum casing
- Regulator, filter, lubricator assembly
- Accepts ±1 inches (25.4 mm) unlevelled plate
- Allows user to reposition at maximum machine speed
- Remote control box
- Duplicate switches on scraper for easy adjustment
- Industrial grade scraper marks material up to 64 ROCKWELL C



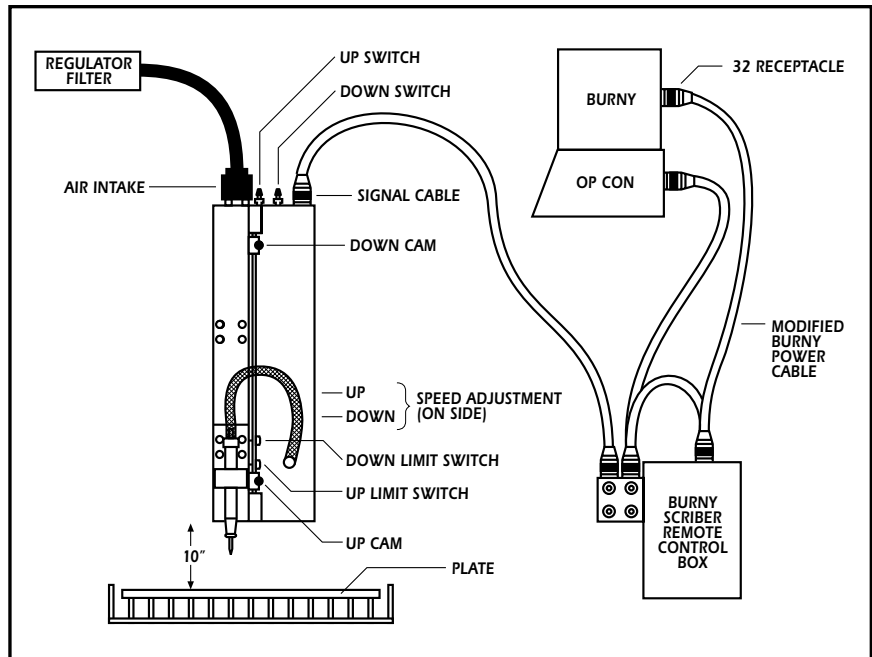
Precisely scribes bending lines, assembly reference lines, holes, and center points.

- Reduces overall layout costs
- Compatible with most CNCs — BURNY Controls and others
- Easily retrofitted to almost any cutting station
- Marking stylus easily penetrates almost any material
- Pays for itself within a few months

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Makes it easy to precisely scribe bending lines, assembly reference lines, holes, and center points.



How It Works:

Prior to use, the BURNY Scriber is held in the Up Position by a pneumatic cylinder at a distance of 7 to 11 inches (173 to 280 mm) from the top of the plate. When scribing is required, it is deployed to the desired position on the plate using manual or automatic control. Height is easily positioned with a down limit switch cam.

In its working position, the Scriber touches the plate with 2 inches (51 mm) of free stroke slide, compensating for ± 1 inches (25.4 cm) from the plate level. During rapid traverse positioning, the Scriber automatically raises to clear the surface of the plate. The distance is adjustable by an up limit switch.

At the end of the full scribing process, the unit retracts to its full up position, by manual or automatic control.

STANDARD DESIGN, CONSTRUCTION, AND FUNCTIONAL SPECIFICATIONS

Each Scribe System Comes Complete With:

1. BURNY Scribe Station
2. Control box to be mounted to main operator control
3. Power cable
4. Cable from Operators Console to Scriber
5. Regulator / Filter / Lubricator assembly
6. Pneumatic hose from regulator assembly to scriber station
7. Spare stylus
8. 500 ml air tool oil
9. One year warranty (except scriber stylus)
10. Manual

Standard Construction Features

1. Two slides mounted with precision ball screws
2. Aluminum casing
3. Eight inches (203 mm) main slide travel
4. Two inches (51 mm) floating scriber slide (accommodating ± 1 inch (25.4 mm) of plate level deviation)
5. Industrial grade scriber
6. Long life stylus
7. Duplicate control pushbuttons at the Scribe Station
8. Adjustable up / down speed

Technical Specifications

1. Input voltage: 115 volts AC through a SPDT relay (activated by the CNC control)
2. 90 PSI shop air supply (1 cfm), 621 kilopascal (472 ml/sec)

Dimensions

1. Height = 17 inches (432 mm)
2. Width = 6 inches (153 mm)
3. Depth = 7 inches (178 mm)
4. Weight = 16 lbs (7.25 Kg)

Required Preparation By Customer

1. Supply appropriate brackets for mounting BURNY Scriber and components to cutting machine.
2. Supply 90 PSI air to the Regulator Assembly

FLOW: 1 cu ft/m (472 milliliter/sec) **PRESSURE:** 90 psi (620.5 kilopascal)

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