



**HD 01-02  
EYE DRILLING**

## Product Description

The machine HD 01-02 is designed for drilling small round holes, or for milling small oblong shaped holes, in both straight and bended tube material with small tube diameters.

The drill motor unit is easily moved up and down for swift change of hole drills punches. The stop position of the drilling head can be precisely adjusted to allow for drilling of multi lumen tubes.

The tube is manually placed into a tube jig. By pressing the start bottom, the drill or trepan is automatically fed into the tube, whereby the hole is drilled.

Depending on tube and jig type, the tube jig is manually turned. Several holes can be drilled in the same tube. The jigs are easily replaced for different tube sizes and hole pattern.

As an option, the machine can be supplied with an XY table, for fine adjustment of the jig position. The eye drilling can be done with either spiral drills or with hole punch drills. If using a hole punch drill, the add-on drill waste detection system can automatically collect and register waste. This ensures that waste does not remain in the tube. Drill waste is removed by a connected vacuum system.

## Production capacity:

The production capacity is between 300-500 units per hour. Depending on the size of the tube and the experience of the operator.

## Tube specifications:

Tube Diameter:	Ø 0.8 – 10 mm.
Tube length:	Infinite.
Drill chuck Diameter:	0.3 – 3.5 mm.
Linear X adjustment area:	+/- 10 mm – manual.
Linear Z adjustment area:	+/- 10 mm – manual.
Drill rotation speed:	200 - 6100 rpm.

## Installation:

Required Space:	Length app. 400mm, width 400mm, height 450mm.
Power:	1x230V AC 50-60Hz 10A.
Compressed Air:	8. bar cleaned and dried air.

If desired the machine can be connected to a vacuum pump for suction of drill waste.

## Environment:

It is recommended to operate the machine in a clean environment.

## SOEBYGAARD MACHINE DESIGN

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