



# HD 02-03 AUTOMATIC EYE DRILLING

## Product Description

The machine HD 02-03 is designed for automatic drilling of multiple small eyes.

Eye patterns can be distributed on the R rotation and the linear Z-axis.

The PLC can contain 50 different product recipes. Each recipe can contain up to 50 eye positions, where pattern of rotation and linear position can be stored. Recipes can be stored, edited and loaded from the touch color display.

If required, the machine can also be used for manual drilling of e.g. pigtail catheters. Drill jigs is easily changed, to account for difference in CH size and tube shape.

The drill motor unit can be effortlessly moved vertically, for quick change of hole drill punches. The stop position of the drilling head is adjustable in depth to allow drilling of multi lumen tubes.

The eye drilling can be done with either spiral drills or with hole punch drills. If using a hole punch drill, the waste can be collected and registered automatically. Thereby ensuring residues remain inside the tube. Drill waste is removed by a connected vacuum system.

The tube is fixed in the tube grip fixture using a predefined zero point. Once the tube is positioned, the operator can start the drilling process. This is done by pressing the pushbutton.

## Production capacity:

The production capacity is dependent on the tube material and size as well as the experience of the operator. The eye drill operation is 1.5 sec.

## Tube specifications:

Tube Diameter:	Ø 0.8 – 10 mm.
Tube length:	Infinite.
Drill chuck Diameter:	0.3 – 3.5 mm.
Linear Z pattern area:	0 – 200 mm – automatic.
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. 700mm, width 530mm, height 515mm.
Power:	1x230V AC 50-60Hz 10A.
Compressed Air:	8. bars of cleaned and dried air.

## Environment:

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