



## KNOT EB

KNOT EB is a fully automatic machine for the production of twisted knot end brushes. The consolidated experience on KNOT A combined with the technology of the assembly station, create an efficient machine with limited operator supervision.

The KNOT EB has an assembly station consisting of 4 stations in line in its standard version, which can be implemented with laser marking systems, quality control, or other dedicated configurations.

The machine includes in the software the control of the knot with rose end, straight or trim.

- ✓ 1 knot every 1.9 seconds (avg STD 2,4 sec)
- ✓ Automatic parts loading
- ✓ Automatic fill material loading
- ✓ Integrated knot orientation system
- ✓ Knotting control by CNC
- ✓ Compact machine
- ✓ Wide production range
- ✓ Remote assistance module
- ✓ Wide range of wire accepted
- ✓ Short index time

# TECHNICAL DATA

## END BRUSH CHARACTERISTICS

O.D. Min.(mm)	16
O.D. Max.(mm)	30
SHAFT (mm) ¼ inch	6
Thickness Max.(mm)	3

## PRE-DRILLED DISC ONLY

Number of Knots	4-6-8-10-12
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## WIRE

Material(s)	S,B,BC,HD
Length Min. (mm)	65
Length Max. (mm)	140
Diameter Min. (mm)	0.15
Diameter Max. (mm)	0.8

Wires per knot is dependent upon wire diameter vs. hole diameter

## OTHER

Number of Axes	4
Installed Power (kW)	14
Dimensions (mm)	3400 x 2600 x 2250
Weight (Kg)	5000
(OPTIONAL) Industry 4.0 Software	
(OPTIONAL) Laser Marking	
(OPTIONAL) Quality Control Camera	
(OPTIONAL) CNC Pressing System	
(OPTIONAL) Free station available for additional application	
[For smaller/larger products including this product size range, please request Custom Sizing Quote]	

## PRODUCTION

Max. Knotting Speed	1 knot every 1.9 seconds
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## Material(s) Legend

**S:** STEEL **SS:** STAINLESS STEEL **C:** COPPER **B:** BRASS  
**BC:** BRASS COATED **HD:** HARD DRAWN **N:** NATURAL  
**SY:** SYNTETIC **ALL:** ALL THE MATERIALS MENTIONED