Semi-automatic, universal bobbin machine

KFF-C

for the spooling and winding of threads, cords, braids and narrow fabrics in parallel, multi-cross and precision cross-winding
Concept
This new generation, semi-automatic bobbin machine is fitted with the latest control and operating technology. A laying motor is employed for bobbin laying. All winding and laying parameters can be flexibly set. Bobbin width, parallel-, cross- and precision laying, laying passes, etc. can be individually programmed and stored. As a result of the use of modern microprocessor controls, movements with an accuracy of 0.1 mm can be reached. Winding patterns, edge structure and thread laying can be defined by the operator using a control program.

Advantages
- Flexible machine use.
- Short setting and resetting times due to microprocessor controls with storable winding parameters that can be retrieved at any time.
- Choice of parallel, multi-cross and precision cross-winding patterns.
- High levels of operator comfort.

Options
- 2 winders per head
- Length measurement device (light/heavy)
- Highly dynamic servodrive for large laying passes and high winding speeds (instead of step motor), with touch screen operation
- Knot catcher
- "CENSOR" tape defect detection device
- Run-off device with permanent and standstill brakes for rolls/bobbins or skeins
- Powered run-off device for large bobbins
- Untangling and pre-transport device
- Multiple yarn take-off from the overhead cones (1 – 8 threads)
- Multiple yarn take-off from the creel (more than 8 threads)
- Thread brakes and monitors (single or multiple)
- Pneumatic thrust bearing
- De-tensioning device
- Automatic shutdown upon attainment of the desired bobbin diameter
- Anti-static device

Machine types
- Basic frame with 1 winding head
- Basic frame with 2 winding heads

Spindle speeds (Standard with step motor)
- Parallel winding: max. 4000 min⁻¹
- Cross-winding: dependent on the displacement per winding spindle rotation
- Laying speed: max. 20 m/min

Maximum bobbin dimensions

<table>
<thead>
<tr>
<th></th>
<th>Parallel</th>
<th>Multi-cross</th>
<th>Precision cross</th>
</tr>
</thead>
<tbody>
<tr>
<td>a)</td>
<td>240 mm</td>
<td>240 mm</td>
<td>240 mm</td>
</tr>
<tr>
<td>b)</td>
<td>300 mm</td>
<td>300 mm</td>
<td>300 mm</td>
</tr>
<tr>
<td>c)</td>
<td>280 mm</td>
<td></td>
<td>280 mm</td>
</tr>
<tr>
<td>d)</td>
<td>320 mm</td>
<td>320 mm</td>
<td>320 mm</td>
</tr>
</tbody>
</table>

Other requirements on request

Technical data

Connections
- Rated output: 1 kW per winding head
- Mains connection: 3x 400 V – 50/60 Hz

Dimensions
- With take-off device
  - Width: 2000 mm
  - Depth: 1000 mm
  - Height: 1700 mm
- Without take-off device
  - Width: 1000 mm
  - Depth: 1000 mm
  - Height: 1700 mm

Fascination of Ribbons and Narrow Fabrics
Innovation in Machinery

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