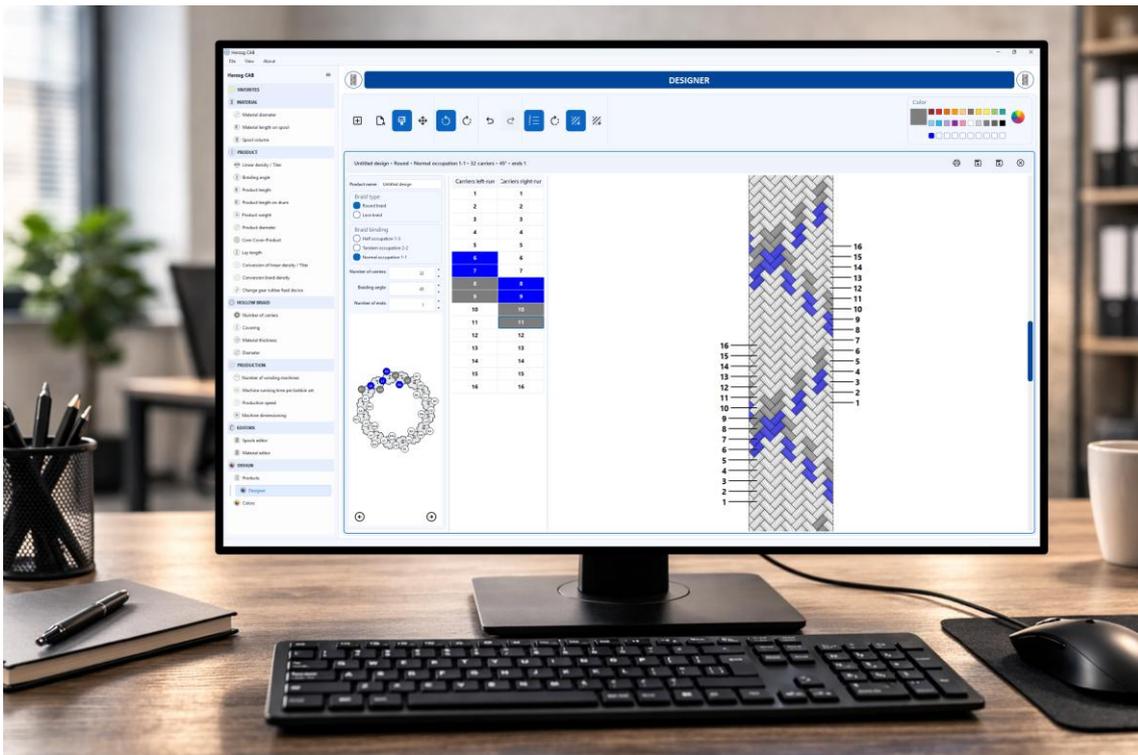


HERZOG CAB

Calculation & design software



- **Design module**
 - To design multi-coloured round and flat braids
- **System requirements**
 - USB port
 - Software alternatively 32-bit or 64-bit
 - Windows 10 and Windows 11
 - Other operating systems upon request
- **Calculation module**
 - For quick and easy calculation of braiding parameters
- **Scope of delivery**
 - 1 USB stick, 1 dongle
 - Operation instructions in English
 - Available languages: German, English, Spanish, Italian, Polish, Chinese

Design module

Braid visualisation in 3 different structures	<ul style="list-style-type: none"> One over two - standard occupied structure (1-1) Carrier number for round braids: 12 - 144 Carrier number for flat braids: 9 - 145 	<ul style="list-style-type: none"> One over one - tandem structure (2-2) Carrier number for round braids: 12 - 144 Carrier number for flat braids: 10 - 50 	<ul style="list-style-type: none"> One over one - half occupied structure (1-3) Carrier number for round braids: 6 - 72 Carrier number for flat braids: 5 - 73
Selection of multiples from 1 - 8	Visualisation of textures in the braid	Integrated database for braids <ul style="list-style-type: none"> Save / load / delete created braids Integrated folder structure 	Variable braiding angle
Overview of equipped machines	Printout as machine sheet <ul style="list-style-type: none"> Braid Variable braiding angle Carrier chart 	Optimised visualisation of the braiding design <ul style="list-style-type: none"> Graphic visualisation in 2D and 2.5D Zoom function Simulated rotation of the braid Simultaneous visualisation of multiple braids 	Existing designs from CAB 1.0 can be uploaded

Calculation module

Thread diameter <ul style="list-style-type: none"> Via the titre indication with freely selectable filling level 	Rope diameter <ul style="list-style-type: none"> From different materials, yarn thicknesses and plies without core Freely selectable filling level of the rope 	Thread length / bobbin for textile fibres <ul style="list-style-type: none"> Via the titre indication for different materials Via the thread diameter Also for rectangular threads Also for non-HERZOG bobbins 	Wire length / bobbin for wire carrier
Rope weight without core	Estimation of the carrier thread thickness for a given rope diameter without core	Production calculation for different machine types	Braiding machine dimensions <ul style="list-style-type: none"> Approximate calculation
Machine running time	Rope length / set of bobbins	Braid angle for round and flat braids	Conversion of different yarn values <ul style="list-style-type: none"> tex, dtex, denier, no. metric., no english
Rope length to be taken up per drum or bobbin	Rope length at given rope diameter and carrier volume without core	Drum or bobbin volume	Outer rope diameter at given rope length without core <ul style="list-style-type: none"> For different numbers of carriers
Conversion of picks <ul style="list-style-type: none"> Lay length Picks / 10 mm Picks / Inch (25,4 mm) Picks / French Inch (27 mm) 	Change gears of HERZOG rubber band feeding device	Core-cover-rope construction, design and production data	Sleeve calculation
Necessary number of winding machines for different braid constructions	Bobbin editor <ul style="list-style-type: none"> Generate, modify and remove bobbins Generated bobbins selectable in calculations 	Material editor <ul style="list-style-type: none"> Generate, modify and remove materials Generated materials selectable in calculations 	History of calculations

Get your quote at www.herzog-online.com now or give feedback on the programme at <https://github.com/Herzog-CAB> .

