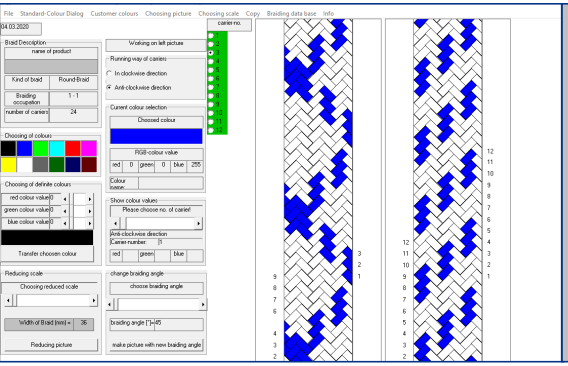
Software solutions for the braiding world

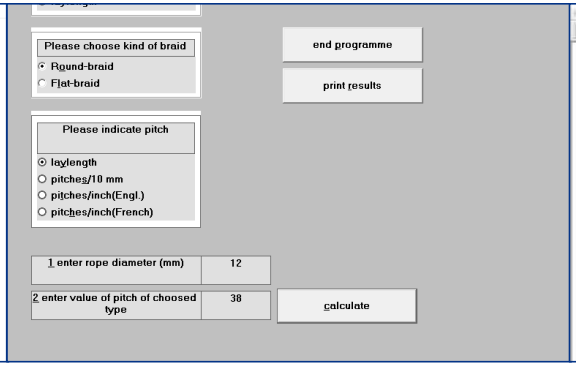
The textile industry – although it is one of the oldest industries in human history - has always been a leader in innovation.
The same applies for the braiding world and Herzog.
To help you stay at the top, we support you with various software solutions.

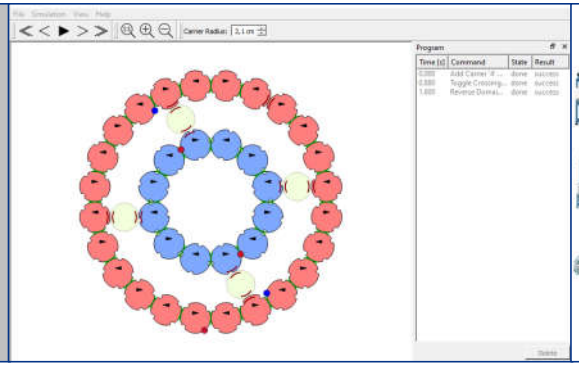
Standard and custom-made software solutions

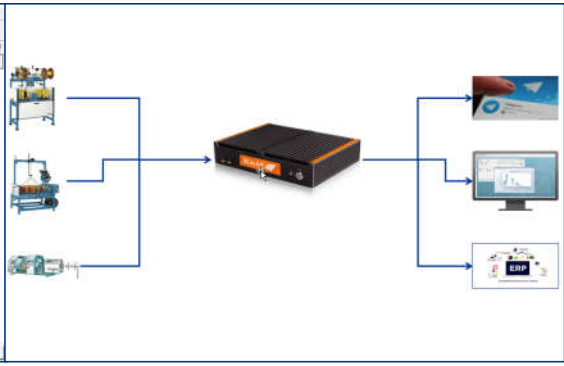
The Herzog software family **C**omputer **A**ided **B**raiding offers solutions for various tasks in your braiding business.

If you would like to take a closer look at your braiding process, we offer individual solutions for process data acquisition.









The Herzog software family Computer Aided Braiding

Under Computer Aided Braiding we offer three software programs

CAB Calculation

All the calculations you need for rope design and machine operation

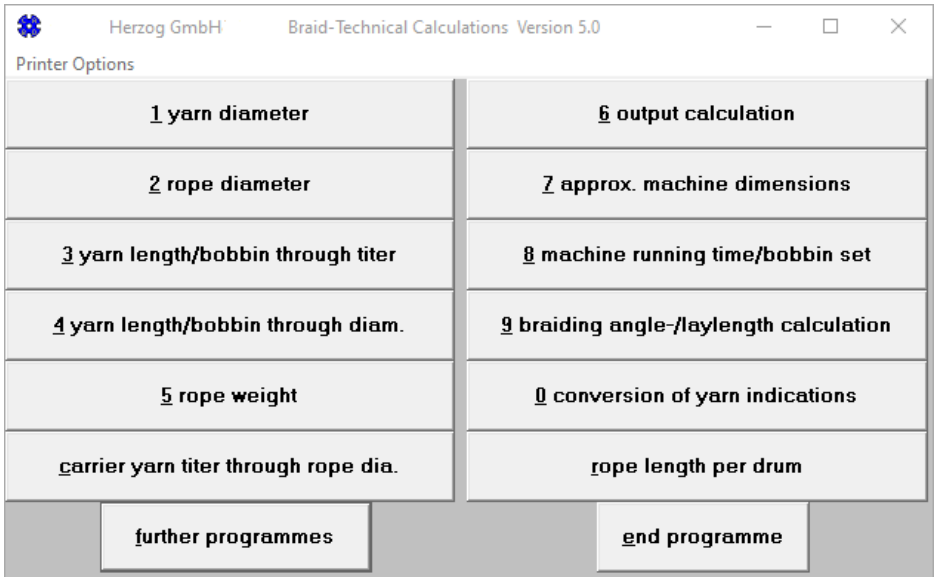
CAB Design

Simply prepare images of all types of different rope designs Design your braid with a vast choice of colors

CAB Soft

Simulation of carrier paths on advanced braiding machines

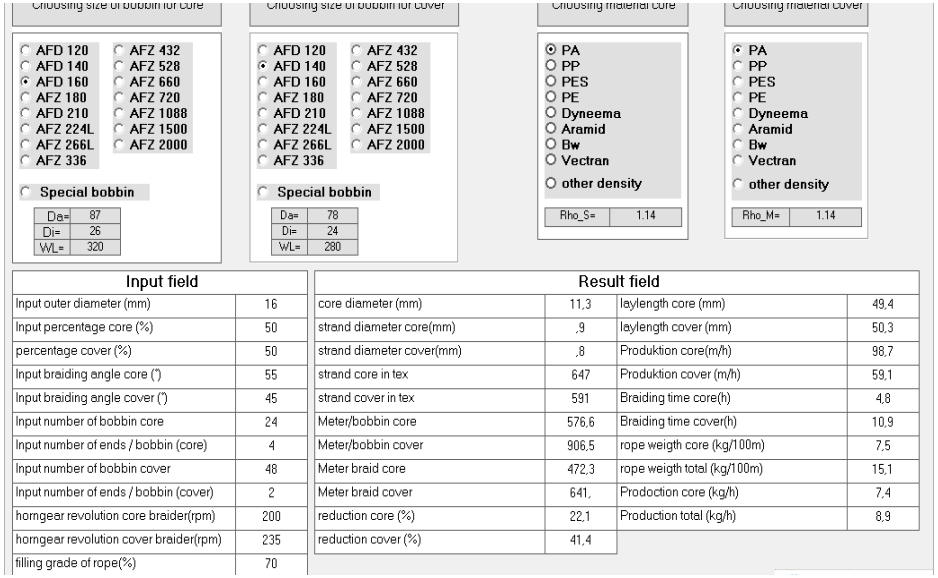
CAB Calculation



CAB Calculation offers all necessary calculation tools for running a braiding production.

- Conversions between yarn value counts and lay length definitions
- Calculations around different yarn types to determine titers based on geometries or geometries based on titers
- Possible braid production based on sizes and machine models

CAB Calculation



Input field	
Input outer diameter (mm)	16
Input percentage core (%)	50
percentage cover (%)	50
Input braiding angle core (°)	55
Input braiding angle cover (°)	45
Input number of bobbin core	24
Input number of ends / bobbin (core)	4
Input number of bobbin cover	48
Input number of ends / bobbin (cover)	2
horngear revolution core braider(rpm)	200
horngear revolution cover braider(rpm)	235
filling grade of rope(%)	70

Result field			
core diameter (mm)	11,3	laylength core (mm)	49,4
strand diameter core(mm)	,9	laylength cover (mm)	50,3
strand diameter cover(mm)	,8	Produktion core(m/h)	98,7
strand core in tex	647	Produktion cover (m/h)	59,1
strand cover in tex	591	Braiding time core(h)	4,8
Meter/bobbin core	576,6	Braiding time cover(h)	10,9
Meter/bobbin cover	906,5	rope weigth core (kg/100m)	7,5
Meter braid core	472,3	rope weigth total (kg/100m)	15,1
Meter braid cover	641,	Prodoction core (kg/h)	7,4
reduction core (%)	22,1	Production total (kg/h)	8,9
reduction cover (%)	41,4		

CAB Calculation offers many functions

- Production output and runtimes of machines
- Productivity of different bobbin winders in combination with braiding machines
- Detailed calculations on core cover ropes
- Hose and preform cover calculation

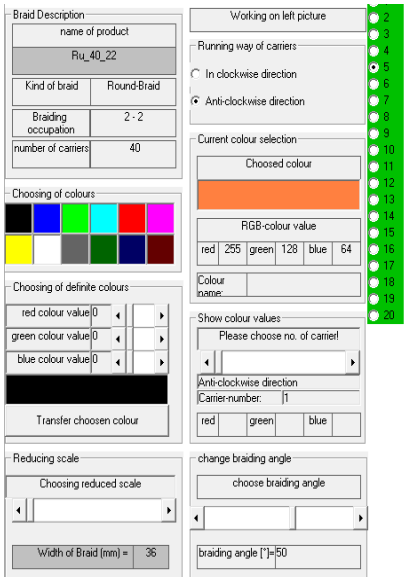
CAB Design

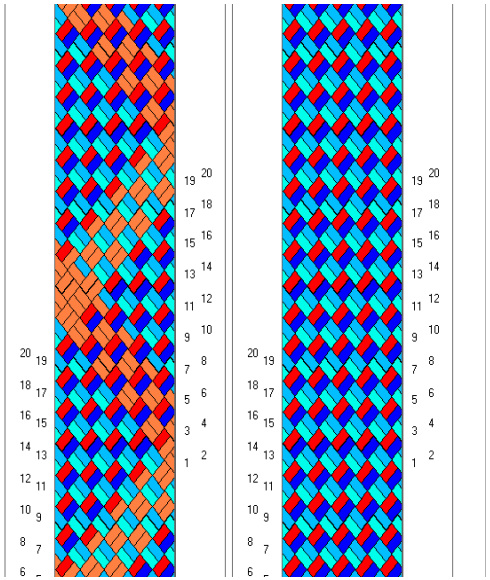
It used to be a lot of work to make a rope sample for your customer

- Making braid samples for customers is a labor-intensive and costly business
- Getting short amounts of yarn with the correct color or dye it yourself
- Setting up the machine to braid a short piece
- Sending the sample to the customer only to learn that he wants it just a little bit different

With CAB Design you can create any kind of braid design simply on your computer

CAB Design

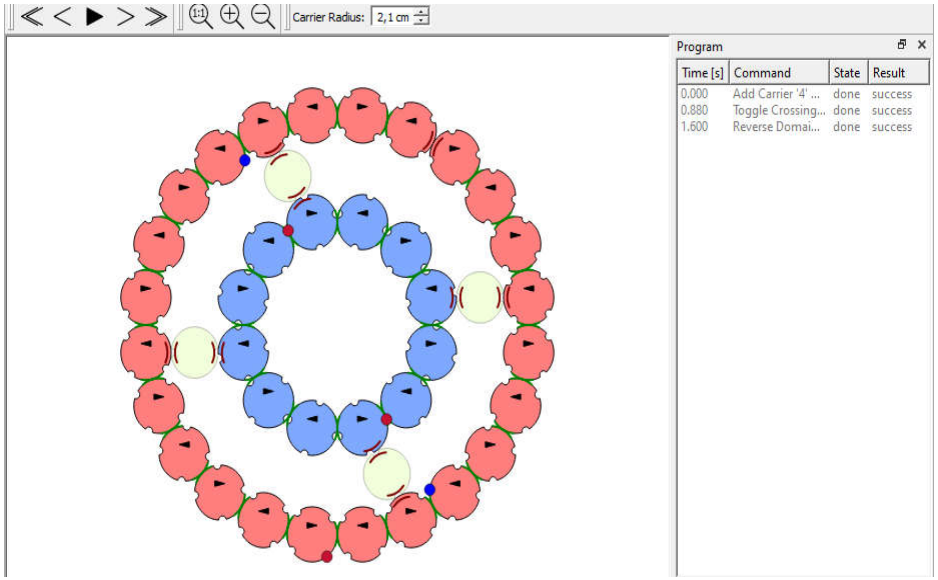




CAB Design offers many functions

- Round braids
- Flat / Lace braids
- One over two constructions
- Tandem constructions
- Half occupied constructions
- Variable braiding angles
- Standard and customer color database
- Cut and copy your images into all regular office programs

CAB Soft



CAB Soft helps to create and simulate step sequences for all advanced Herzog braiding machines

- Placing, deleting and color changing of carriers
- Switching of crossings
- Enabling, disabling and direction change of horn gear domains
- Anti-collision testing

Machine data acquisition supported by Herzog

Machine data acquisition is (becoming more) increasingly important for a production in the modern digital world.

MDA is not the core business for Herzog, but we can support you on your way:

- Installation of sensors at the machine
- Installation of the Herzog Connect Box at your machine
- Systems for gathering the data of several machines with SCADA or ScaleIT

For more information please contact us

Herzog GmbH

Am Alexanderhaus 160
D 26127 Oldenburg

+49 441 3008-0

info@herzog-online.com

www.herzog-online.com