

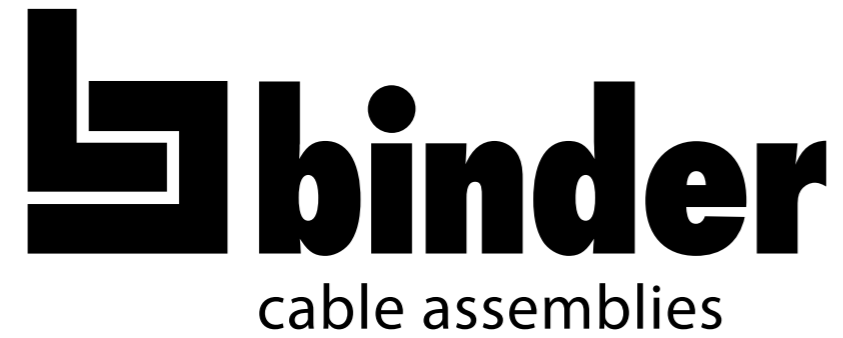
Connector and cable manufacturing



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Who we are and what we do

binder cable assemblies Bt., based in Jánossomorja (Hungary), is an affiliated company of Franz Binder GmbH & Co. Elektrische Bauelemente KG (Neckarsulm).

Our core competence is the production and assembly of plastic connectors and cable assemblies with binder connectors. Additionally, a new production site where contacts are manufactured and assembled by hand was established in Pécs in 2023.

Relation to the binder group

binder is a family-owned company shaped by traditional values, employing around 2.000 people worldwide and is one of the leading specialists for circular connectors with its headquarters in Neckarsulm. The binder group includes the binder headquarters, nine international and globally active sales offices, seven production facilities, two system service providers and an innovation and technology centre.




binder produces a wide range of industrial connectors as well as mounting and cable connectors for automation technology. The strengths lie in the individual development, design and automated manufacturing of connectors based on customer specifications.






The product range of binder extends from subminiature connectors to multi-pin machine connectors. binder products are used in agricultural and construction machinery, signal equipment, machine tool construction, medical technology, measuring technology as well as sensor and automation technology.

Since 1960, binder has been synonymous with the highest quality.



Core competencies of the binder group

	Cable manufacturing, assembly and production technology	since 1995 www.binder-cableassemblies.hu
	Production of electronic assemblies and systems	since 1995 www.binder-ems.de
	Electronics development and production of electronic assemblies	since 2020 www.binder-electronic-solutions.de
	Surface finishing	since 2019 www.binder-galvanicsurfaces.de
	Research and printed electronics	since 2016 www.binder-itz.de

	Production of electronic assemblies and systems	since 2017 www.binder-introbest.de
	Turned parts	since 1979 www.binder-precisionparts.ch
	Customer-specific system solutions	since 2013 www.binder-solutions.com
	Diecast parts	since 1995 www.macrocast.ch
	Stamped and stamped bent parts	since 1979 www.mpe-connector.de

Core competencies and particularities

- Flexible processing for small batches
- Flexible foam part sealing on the components
- Hot stamping
- Hotmelt technology
- Cable imprinting and assembly
- Plastic injection molding (machines from 20 T to 250 T, 1K and 2K injection molding, cable head injection molding, injection molding with electrical regulation)
- Laser engraving
- Manual production and automated assembly lines with camera control system
- Pad printing
- Ultrasonic welding
- Encapsulation of flange parts in resin compound



■ Hot Stamping

Embossing, also known as hot foil stamping, is a process in the printing industry that is usually carried out using a stamp and foil. The design chosen by the customer is pressed onto the product with a hot tool using indigo tape. It is one of the few technologies that allows both small and large surfaces to be embellished easily with metal, thus creating a decorative effect.

■ Hotmelt technology

The product is injection moulded by hand using resin-containing granules and a low-pressure moulding process. A thermoplastic moulding resin is used to ensure a high-quality seal and reliable protection of the parts.

■ Cable printing and assembly

The marking and labelling of cables can be individually adapted. For this purpose, inkjet printers and laser marking devices can be used. When assembling cables, we determine the length, composition, colour sequence of the bundles according to customer requirements and assemble the necessary connectors and electrical accessory parts.

■ Plastic injection moulding

Injection moulding is suitable for the production of finished polymer products. Machines with a capacity of 20 T to 250 T can be used, for both 1K and 2K injection moulding as well as cable head injection moulding and injection moulding with electrical controls. The raw thermoplastic polymer material is heated above its melting point and therefore brought to a molten state. Then it is injected through a narrow inlet at high speed and pressure into the tempered (cooled), closed mould. In this closed mould, the molten polymer mass is cooled under high pressure and shaped into a high precision, three-dimensional part.

■ Laser engraving

Laser engraving uses a concentrated laser beam to vaporize or burn the material. This allows extremely durable, clearly visible and legible lettering, logos, images, serial numbers or even barcodes to be created on almost any material. The laser beam also enables the precise engraving of small areas.

■ Manual production and automated assembly lines with camera control system

The assembly of parts with automatic and semi-automatic production machines is further automated by a camera inspection system. During the assembly process, the parts are checked for presence, quality, size, and position using image processing systems.

■ Pad printing

Pad printing is an indirect gravure printing process. The ink, which is located in the indentations of the cliché, is transferred to the object using a pad. Printing is fast, as the transferred ink layer is only a few micrometres thick and dries in just a few seconds. This means that the work piece can be picked up immediately so it can be mounted and manipulated as required.

■ Ultrasonic welding

The vibration caused by ultrasound eliminates the roughness of the surfaces to be welded and causes them to rub against each other. The vibrations and the low pressure cause the material to melt and then weld.

■ Encapsulation of flange parts in resin compound

Foaming: The 2-component sealant is applied precisely to the contour of the pre-programmed part. This is done via the CNC-controlled mixing head of the dispensing system. It then reacts at room temperature to form a soft seal on the applied part while traveling through the dispensing machine's movable mixing head.

Waxing: During the automated application process, electronics or electronic components are poured, encapsulated or embedded with 2-component casting resin. The resin hardens at room temperature and ensures the integrity of the parts.

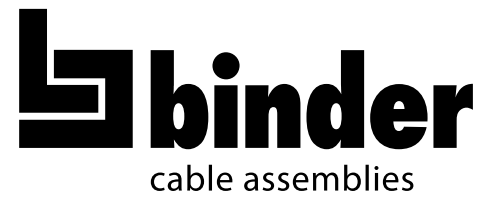




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binder cable assemblies specialises in the manufacturing and assembly of plastic connectors and cable assemblies featuring connectors.

Markus Binder
General Manager
of the binder group



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05/2024



Ordering-No. W CA UB 2024 EN

FB041018A1en-01