

Products and technologies used:

- Siemens control system
- Schneider Electric, Siemens electric drives
- Festo pneumatic equipment



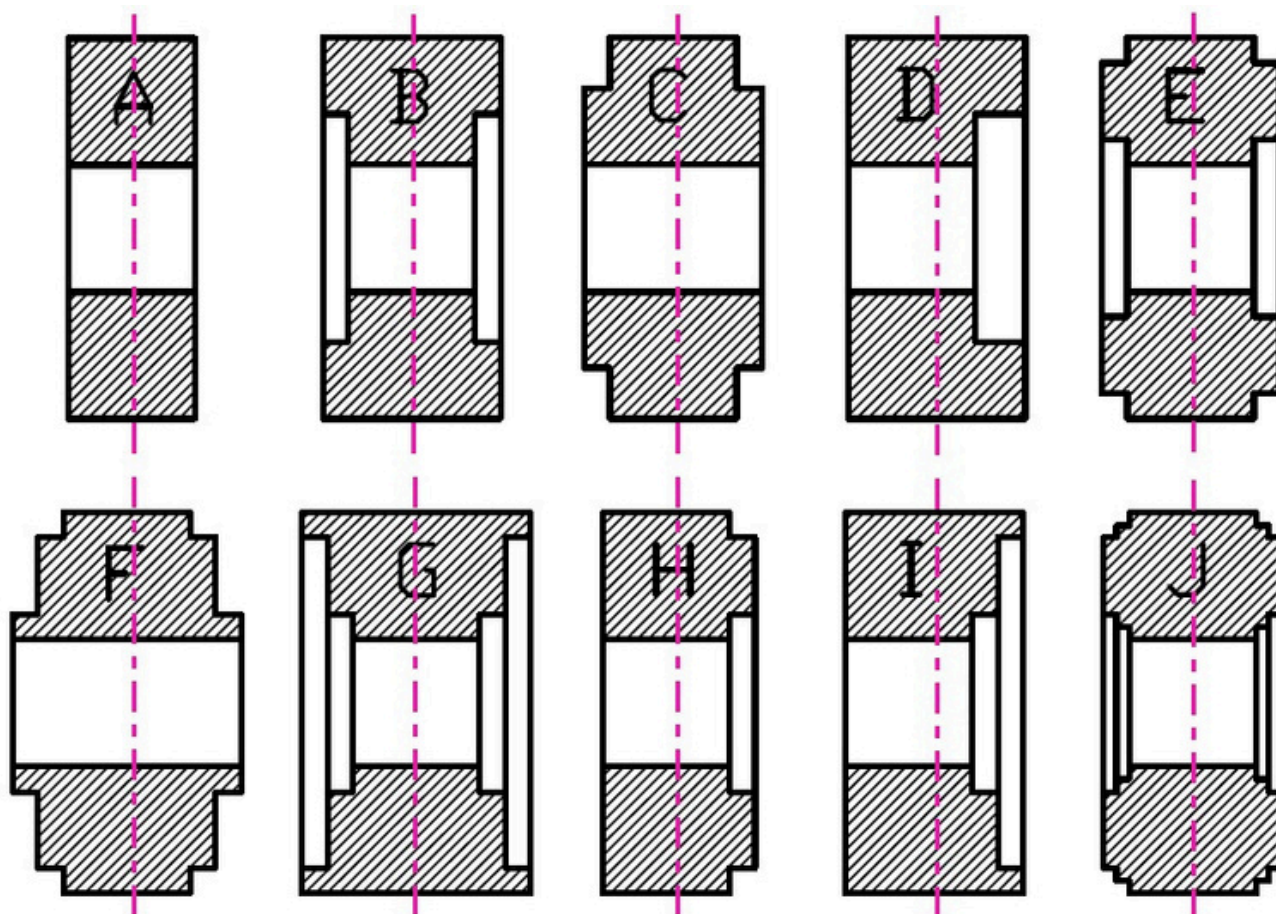
Line specifications:

Min. winding mandrel size	50 x 60 mm
Max. winding mandrel size	190 x 300 mm
Max. resulting core size	350 x 420 mm
Max. number of tape types per core	3
Max. number of core layers	5
Strip thickness range	0,23 – 0,35 mm
Strip width range	20 – 140 mm
Max. total core weight	65 kg
Min. inner diameter of tape roll	500 mm
Max. outer diameter of tape roll	1000 mm
Cycle time 1 pc. 5-layer core with external dimensions (195 x 254 mm)	cca 450 s



Types of cross-sections of wound cores:

The line allows winding up to five-layer C-cores, symmetrical or asymmetrical to the central axis of the winding mandrel.



With the ELVAC a.s. solution, the customer gained the following benefits:

During the automatic cycle, the line operator can focus on replenishing winding mandrels, can transport finished C-cores for further processing, prepares additional winding mandrels that are dirty from the gluing process.

In addition, the cycle time of the automatic line is approximately 25% shorter than in similar semi-automatic lines, where the operator must fully devote himself to the winding process at all times.

The automatic line is equipped with a manipulator that inserts mandrels and removes C-cores from the winding station spindle, thereby facilitating the operator's work. Especially with heavy C-cores.



The ELVAC family of companies includes several companies. The largest of them is ELVAC a.s., which provides services in the field of industrial automation, industrial PC systems, single-purpose machines and heavy-current electrical engineering.

Other companies from the ELVAC family offer services in the field of environmental protection (ELVAC EKOTECHNIKA s.r.o.), software application development (ELVAC SOLUTIONS s.r.o.), illuminated and neon advertising (ELVAC PROMEDIA s.r.o.), or are engaged in commercial activities (ELVAC PRAHA s.r.o. and ELVAC SK s.r.o.).

Products

Industrial systems

- Industrial computers, rugged computers
- Industrial computer components
- Peripherals for industrial PC systems
- Rear projection systems
- LED screens
- Information LCD systems

Communications

- Industrial Ethernet
- Serial Communication
- Wireless Communication
- Communication Converters

Data management and control

- Digital I/O Cards and Modules
- Analog I/O Cards and Modules
- Control Systems

Control systems

- PLC and HMI Siemens, Schneider Electric
- Manufacturing and assembly of switchboards

Wholesale of electrical materials

- Schneider
- Siemens
- Weidmuller
- Další...

Neon light advertising

- Illuminated and neon advertising
- Corporate totems and fuel totems

Design and production of single-purpose machines