

HV-RoFAL

High-Voltage Robotic Fully Automated Line



The High-Voltage - Robotic Fully Automated Line (HV-RoFAL), is a complete and fully automatic line to cut, pre-assemble components and perform cable processing operations, in HV cables and HV connectors.

It is a technological combination of Komax's machines Kappa (B) and Lambda 240 (D) with StoneShield's HV-RAM (C).

The entire process is fully automatic and without operators' intervention:

The machine is fed with the wire's spools and with the connector's components in bulk in feeders;

From here, the cable is cut, fed directly to the HV-RAM, that performs the pre-assembly of components;

The HV-RAM handles the cable and feeds it directly to the Lambda, to perform the wire processing operations, like cutting, stripping and crimping;

After the Lambda completes its cycle, the HV-RAM picks up the finished product and stores it into a cable rack for later pickup.

The solution can work both for single core or double core cables, which if it is the case, two dereelers are used and the Kappa cuts both wires simultaneously.

Combined with the full autonomy, an error free process is obtained since the products' quality is controlled throughout the entire process.

The seamless communication between all machines also ensures the complete traceability of the process.

Line Components:

The system is made by the following components:

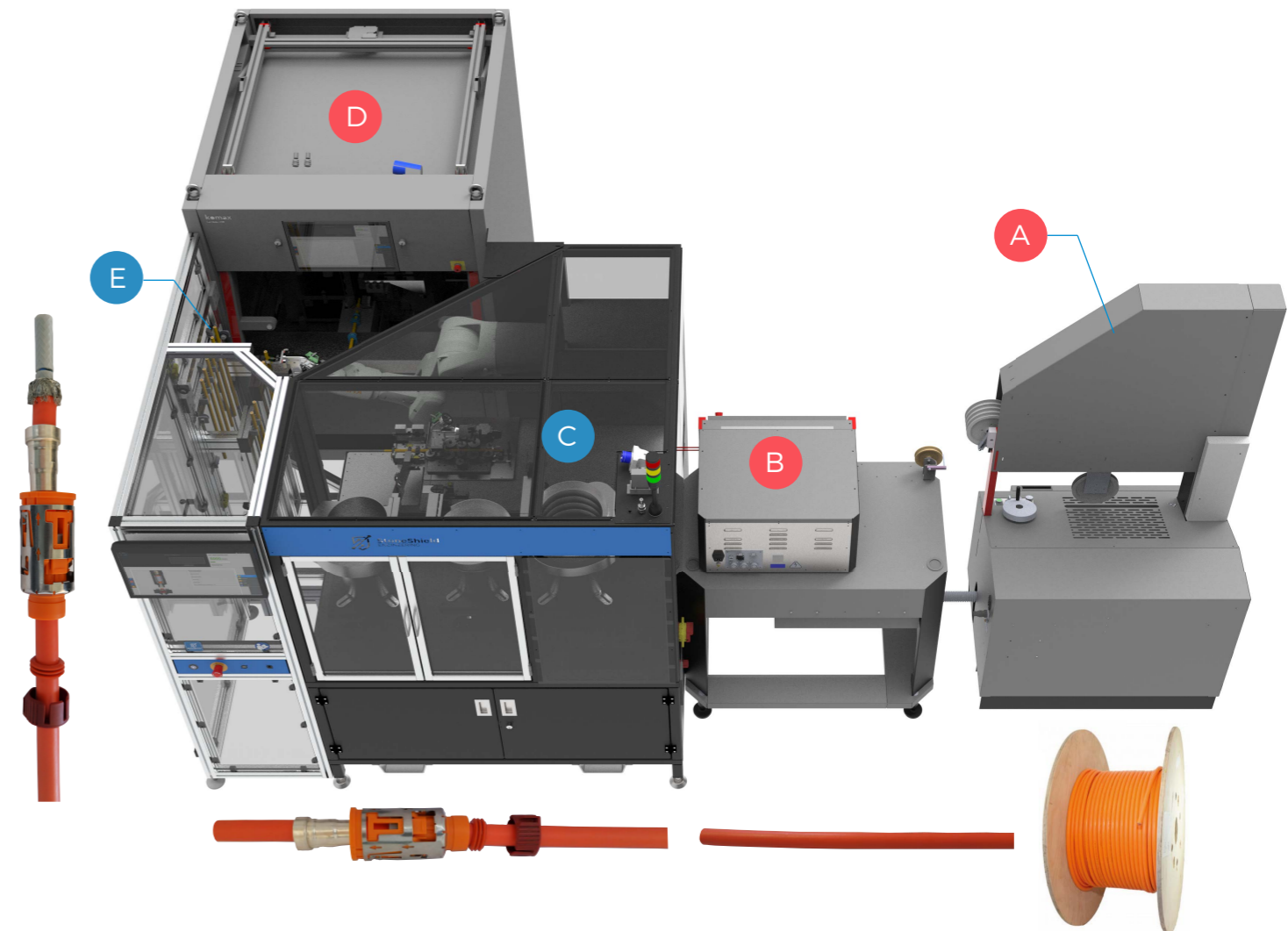
- A** Dereeler. If double core wires are used, 2 units required;
- B** Kappa machine to cut the wires;
- C** HV-RAM: to perform the pre-assembly, handling of wires to Lambda for processing and retrieving wires from Lambda after processing;
- D** Lambda 240, for cable operations;
- E** Cable rack to store final product.

In Partnership with:



Applications:

Fully automated assembly line to cut, pre-assembly and perform cable process operations of HV cables (single and double core).



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