

## Long Wires – My Strength

Komax Alpha 358 – Processing long cables in the smallest of spaces



*Processing wires over eight meters long can often pose a challenge. From production on fully automatic crimpers to insertion in the harness, this type of processing is time-consuming and susceptible to damage and requires a lot of production area. On the Alpha 358, long wires can be processed in top quality using minimal space. Further processing is made much easier and the danger of damaged terminals is greatly reduced.*

**Roland Liem** Product Manager

When processing long wires on a fully automatic crimping machine using a conventional deposit unit, the operator takes the terminated wires out of the deposit tray, coils them into bundles and then in many cases lays them in a transport container. Individual wires are needed again at the assembly board. Many wire processors therefore hang their cables in bundles on high wire racks. Hanging up the wires and subsequently removing the individual wires from the bundle is a time-consuming task. Great care has to be taken because the wires are often knotted up and the locking hooks on the terminal parts can be damaged.

### Area of application

The four-meter long Alpha 358 accommodates the high-speed production of cables up to 25 meters long fitted on both ends with terminals and seals. There is no longer any need for long cable deposit units on fully automatic crimping machines so the precious production space can be put to better use.

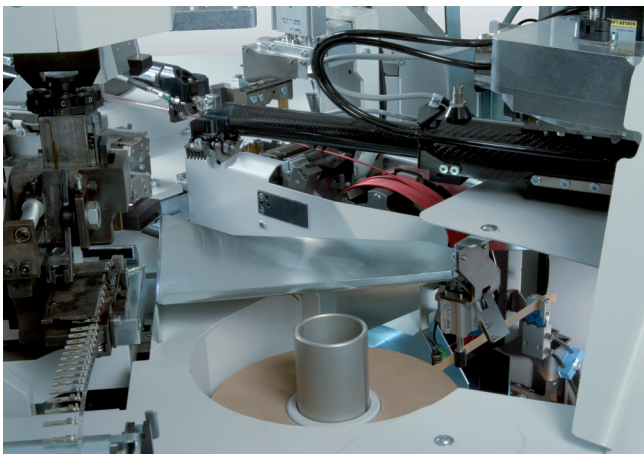
The Alpha 358 fully automatic crimping machine sets new standards in the processing of long wires.

### Increased productivity

With the ingenious coiling and binding system fully integrated in the machine, the wires are individually coiled straight from the machine, tied up and then readied for easy further processing.

The integrated coiler unit coils the cable in an optimized process adapted in terms of tension to the cable being processed. Thus, perfectly coiled wires are ensured even at high processing speeds.

The coiled wires are bound individually with easily removable tape and then hung in the machine by batch for simple removal. Defective wires are separated completely from the rest. Coils can be easily stored, transport and integrated in the harness.



Coiling – and binding unit



Binding and removal unit

Hanging long wires stretched at the assembly board is no longer required nor is the time-consuming task of individually removing each wire. This approach eliminates the danger of the wire being damaged on removal from the rack or of the wires becoming tangled up.

### Operations

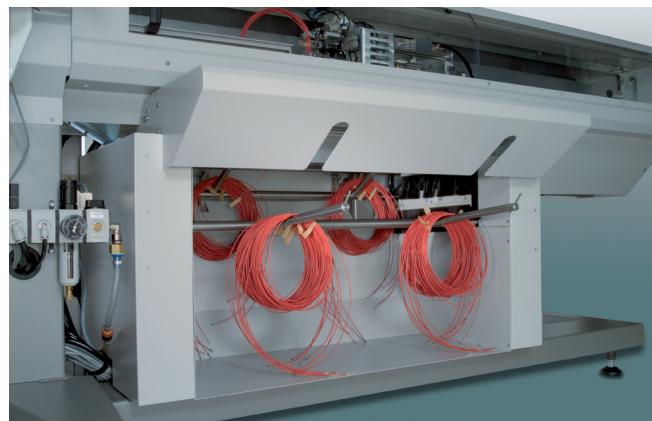
Thanks to the use of TopWin, the user interface used for all Komax fully automatic crimping machines, and the optional WPCS interface, the operator can be operating the machine and all its functions within no time at all. What's more, the machine can be integrated into an existing network with the greatest of ease.

### Accessories

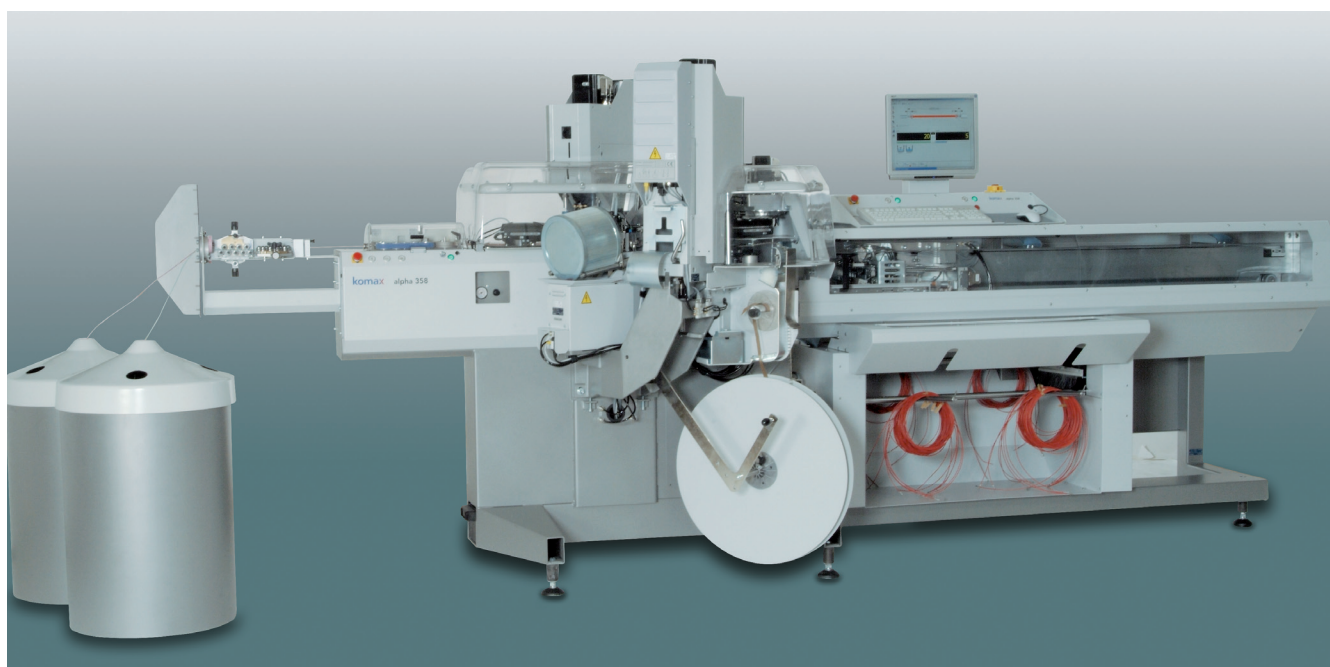
Many of the accessories are the same as for the other Komax fully automatic crimping machines and can also be used in the Alpha 358.

### YOUR BENEFITS

- > Easy further processing of cut and terminated wires
- > No risk of damaged terminals
- > Small footprint
- > Big production output even with long wires



Wire deposit



Alpha 358 with two seal loading modules and two crimping presses