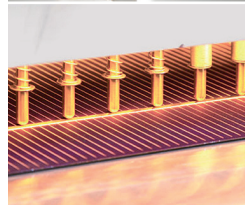
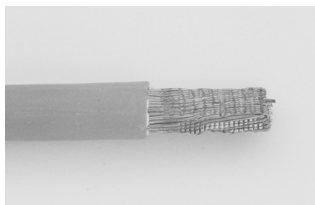
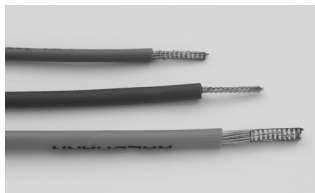
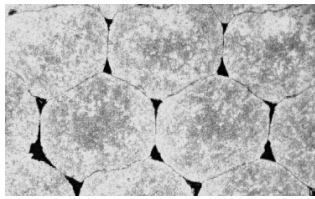


Process

Ultrasonic compaction



Conductor compaction is an increasingly important process in control cabinet construction. The end of the conductor is ultrasonically compacted in the desired length and size so it can be used flexibly for the wiring of terminals and electrical control components. Compacting is an excellent alternative to end sleeves.

Function

Thanks to the years of experience Komax and Schunk have in this field, the ultrasonic compaction process is mature and optimized. The conductor being compacted is put under slight pressure and compacted by means of high frequency mechanical vibrations. In a fraction of a second, this process creates a strong and permanent bond that is metallurgically pure and has excellent electrical conducting properties.

The motorized feed allows different conductors and compaction lengths to be processed in a sequence without changeover.

The process parameters can be set quickly and easily right in the TopWin user interface or using the modern touch interface.

With Komax WPCS, the compaction parameters can be integrated in a network.

Komax is happy to produce samples incorporating the processing you desire.

Technical data

Device type for Zeta 633:	Minic-automatic MV-20 TP with motorized positioning
Device type for Alpha 356, Gamma 333 PC:	Minic-automatic MV-20
Conductor cross section:	Up to 6 mm ² Optionally up to 16 mm ²
Processing material:	Copper/aluminum
Compaction length:	4–20 mm
Geometry:	Rectangular/square
Work frequency:	20 kHz
Power:	3000 W
Mains voltage:	3L/N/PE VAC 400 V 16 A, 50/60 Hz
Piece output:	1000 – 1500 pcs/h Depending on application and conductor

Your benefits

- Excellent electrical properties
- Comprehensive process monitoring
- Different types of compaction in same sequence
- Excellent alternative to end sleeves
- Input of process parameters in TopWin
- Usable on Alpha 356/Gamma 333 PC/Zeta 633