



# ANC 5

# INSULATION STRIPPING SERVO UNIT

Wires with insulation layer are used for current-carrying conductors such as coils or tight-fitting windings. To apply voltage, the ends of the wires have to be insulation stripped before winding or forming them. This task is performed by the servo-controlled ANC 5 stripping device which can easily be integrated into manufacturing solutions on Bihler machines. The ANC 5 convinces with its reproducible precision and simple operation as well as its optimized lubrication and chip evacuation.

**BIHLER**

# Highly precise insulation stripping

The blade head strips the enamel in a reliable and proper way. Depending on the application, the blade head is equipped with 3 special blades made out of hard metal or tipped with diamonds. One and the same set of blades can be used for different wire diameters. The required wire guides with quick change system have to be adapted to the respective wire diameter. The generated chips are removed by an industrial vacuum cleaner.

The stripping device control technology is fully integrated into the VariControl machine and process control system. The cutting values are entered via the operating terminal of the VC 1: desired diameter, stripping length, cutting speed and chip thickness. Thus, ideal cutting parameters can be determined and reproducibly applied to different wires.

## Operation sequence

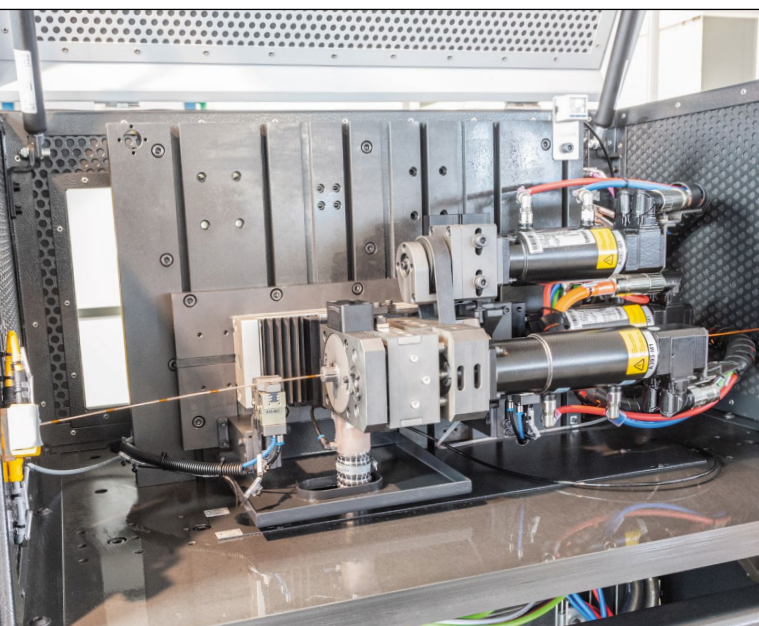
The operation sequence of the three electronic drive motors is controlled by the program. Data input for the 3 axes takes place at the VC 1 operator panel.

**Motor 1:** In combination with a mechanism, the closing movement of the insulation stripping head is controlled by a motor.

**Motor 2:** The insulation stripping movement consists of the rotation of the insulation stripping head, equipped with 3 blades.

**Motor 3:** The linear insulation stripping stroke determines the length of the insulation stripped wire section. A non-return unit clamps the wire during the working stroke.

Clamping of thin wires with a diameter up to approx. 0.5 mm takes place by a collet chuck, clamping of thicker wires by means of a pneumatic cylinder with clamping jaws. The entire insulation stripping unit is mounted onto a base plate.



## Technical data

Max. wire diameter	5 mm
Min. wire diameter	0.5 mm
Max. rotation of blades	12000 1/min
Max. insulation stripping length	50 mm
Min. insulation stripping length	0.5 mm