

BACH TWIST BUNCHER MACHINE MODEL CD6X250

GENERAL DESCRIPTION



This machine is made specifically to meet the particular needs of the user, ideal for twisting and untwisting, without imparting any torsion to individual conductors.

An AC servo motor is installed on the machine. Each cable is guided from the unwinding reel to the die by means of pulleys on bearings. This system allows easy insertion of the cables, preventing any type of friction and mechanical stress.

It is possible to work conductors with visible metal screens while retaining all the characteristics and

qualities.

The machine has a simple construction, thus reducing the possibility of breakdowns and the need for maintenance, ensuring an easy and lasting use.

The die holder unit is designed to accommodate dies in two halves, which can therefore be opened.

The support of the cable guide can be disassembled, each pair of cable guide pulleys is made of black light alloy, highly resistant to wear, it keeps the surface of the cable intact preventing damaged during rubbing on the pulley.

Each pulley is sized to accommodate cables with \varnothing 8mm, mounted on supports that allow an axial adjustment of at least 30mm.

On the radial there are 6 filler guide bushings, these are positioned on supports that allow an axial adjustment of at least 30mm.

The central cable passage hole allows the passage of cables / pipes of \varnothing 40mm.





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The die holder moves axially for 400mm.

The six untwisting reel holder cradles are sized to accommodate DIN 250 reels and pressed sheet reels of external \varnothing 250mm, internal \varnothing 80mm, hole \varnothing 16mm, min width 160mm, max width 200mm, max weight 20kg.

The six spool holder cradles for fillers are sized to accommodate spools in pressed sheet metal of external \varnothing 220mm, internal \varnothing 60mm, hole \varnothing 16mm, max width 120mm, max weight 3kg.

The coil fixing systems on the cradles allows to position and fix the coils with a single operator without the use of tools.

Rotor speed adjustment and stranding pitches are set electronically.

A jog command is provided to position the coils in the cradles.

BODY COMPOSITION

The machine is completed with a shockproof protection cabin made of fixed panels in green metal and fixed and sliding panels in transparent PET-G plastic material to allow opening and closing operations and machine inspection.

The correct closing of the panels is guaranteed by sensors, placed at the two ends of the same, for the detection of open panel and line interruption in case of opening in motion.

All the panels are assembled on a frame composed of high-strength aluminum profiles completely anodized in natural color, with a homogeneous matte pickled surface, resistant to scratches and corrosion in a lasting way, capable of absorbing vibrations. The machine is accessible frontally to facilitate any type of operation.

The body parts are held together by sliding dowels for fixing the screws and dynamic connection sets that ensure a very high resistance to pressure.

All components are easily removable and completely recyclable as they are made of aluminum.



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TECHNICAL DESCRIPTION	
Maximum rotating speed (rpm)	100
Maximum linear speed (m/min)	30 mt/min
Dimension of reels with single wire	DIN 250mm; pressed steel reels ϕ_e 250mm, ϕ_i 80mm, hole ϕ 16mm, width min 160mm, width max 200mm, weight max 20kg
Dimension of reels for inner sheat	ϕ_e 220mm, ϕ_i 60mm, hole ϕ 16mm, width max 120mm, weight max 3kg
Maximum Lay length (mm)	400
AC Servo Motor (Kw)	3,5
Type of emergency brake	Pneumatic disc brake
Working direction	Left to right
Standard work height (mm)	1050

BACH TWIST BUNCHING LINE

