

# AUTOMATIC MACHINERY

## DESA AUTOMATIC STIRRUP BENDER

### GREAT PRODUCTION CAPACITY

The DESA model is an automated machine controlled by a programmer and that starts of steel rolls as raw material. Straighten, bend to the desired stirrup shape and cut the stirrups leaving them fully finished for assembly.

The automatic stirrup bender can perform both directional bendings with angles up to 180° and bars of up to 16 mm in diameter or double diameter of 12 mm from roll rod, and it has a device for making rings and spirals.

Our stirrups are programmed with specific control software. The rod in the decoiler gets easily into the machine by means of the thread group until the rod gets caught by the dragging group formed by four rollers that transmit the traction to the rod. The

forward speed parameter is adjustable depending on the work to be done.

Straightening system is composed of two sets placed orthogonally both mobiles and fixed rollers capable of working with one or two bars at the time. The adjustment is very simple and every diameter of rod has a mechanical memory.

The measurement is by means of an encoder with a tolerance of  $\pm 1.5$  mm. The cutter is provided with an edged blade for a longer use.

The components of our machines are made of the latest generation of alloyed steels with heat and anti-wear surface treatments that guarantee a long and useful life.

- High stirrup production capacity (up to 2400 stirrups/hour).
- Minimum maintenance.
- Up to 16 mm in diameter.
- Intuitive programming by touch screens.
- Optional accessories:
  - Decoilers
  - Bending shapes
  - Manual stirrup collector
  - Foldable collector for straight bars

