

SHAPING CENTER type KAMPSI D500 - TECHNICAL FEATURES

Fully automatic, twin bending head re-bar shaping center, bi-directional, programmable, CNC.

MAIN SPECIFICATIONS	KAMPSI D500
Working range:	Ø6 - Ø42 (UTS 650 N/mm ²)
Bending Capacity (processed pieces) :	1 Ø40 - 1 Ø36 – 2 Ø32– 3 Ø25– 5 Ø16
Installed Power :	15 KW
Feeding speed (loading conveyor) :	40 m /min
Bending heads displacement speed :	50 m/min (2x25)
Bending speed:	9,5 rpm
Maximum bending angle:	180°
Angles:	5+5=10
Sides:	5+5=10
Angles bending :	LEFT – RIGHT
Angle measurement accuracy :	± 1°
Length measurement accuracy :	± 5 mm
Dimensions (L x W x H):	12000 x1900x800mm
Weight:	5000 Kg
In case of smaller re-bar diameter the bending capacity is influenced by the bending tool height, which measures 60mm	

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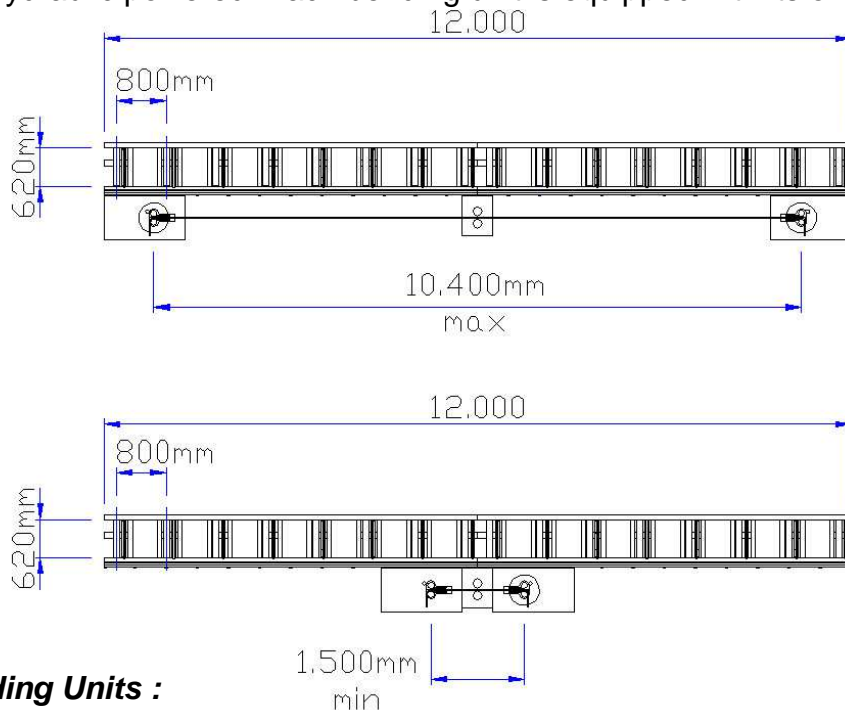
Note: The machine can collaborate with Automatic Shear Line for straight bars. If so, the combined speed is increased.

The machine consists of:

- The feeding conveyor
- Twin bending unit (two bending heads)
- The control panel
- The hydraulic unit

The feeding Conveyor :

- The feeding conveyor is equipped with anti-friction plastic coated electro-driven rollers.
- The feeding conveyor is also equipped with an elevating mechanism in order the rods are accurately placed onto the bending tools and duly balanced between the two bending heads. A holding device is centrally placed in order the bars are quite stick during bending process.
- The machine is equipped with two mobile bending heads (independently moved)
- The shaped bars are removed from the bending tools with the aid of pneumatic driven boomerangs, which are positioned on each bending head and the holding device. Any movement is hydraulic powered. Each bending unit is equipped with its own hydraulic one.



Bending Units :

Both bending units are movable. They can move either simultaneously or independently of each other, according to the pieces being produced. The bending heads are equipped with rotating disc which the bending pin is placed on. The fixed bending tool is installed at the disc centre. Right and left hand bends can be done.

Control Panel :

A mobile electrical/electronic unit beside the machine is available. Visual display (Schneider Electric) for instant monitoring of data entry/machine operation is also available. Keyboard, touch screen and command buttons for manually mode are placed on the front view of the unit. Figure drawing simulation during programming. The PC software includes geometrical functions in order the produced shapes have the required dimensions according to the applied bending tool size.

Programming mode:

- via keyboard
- via touch screen
- by use of USB memory stick

Hydraulic Unit :

All hydraulic components are only supplied by “VICKERS”, “DANFOSS” and “YUKEN” type.

☞ *The machine is accompanied by one set of tools as well as some consumable spare parts.*