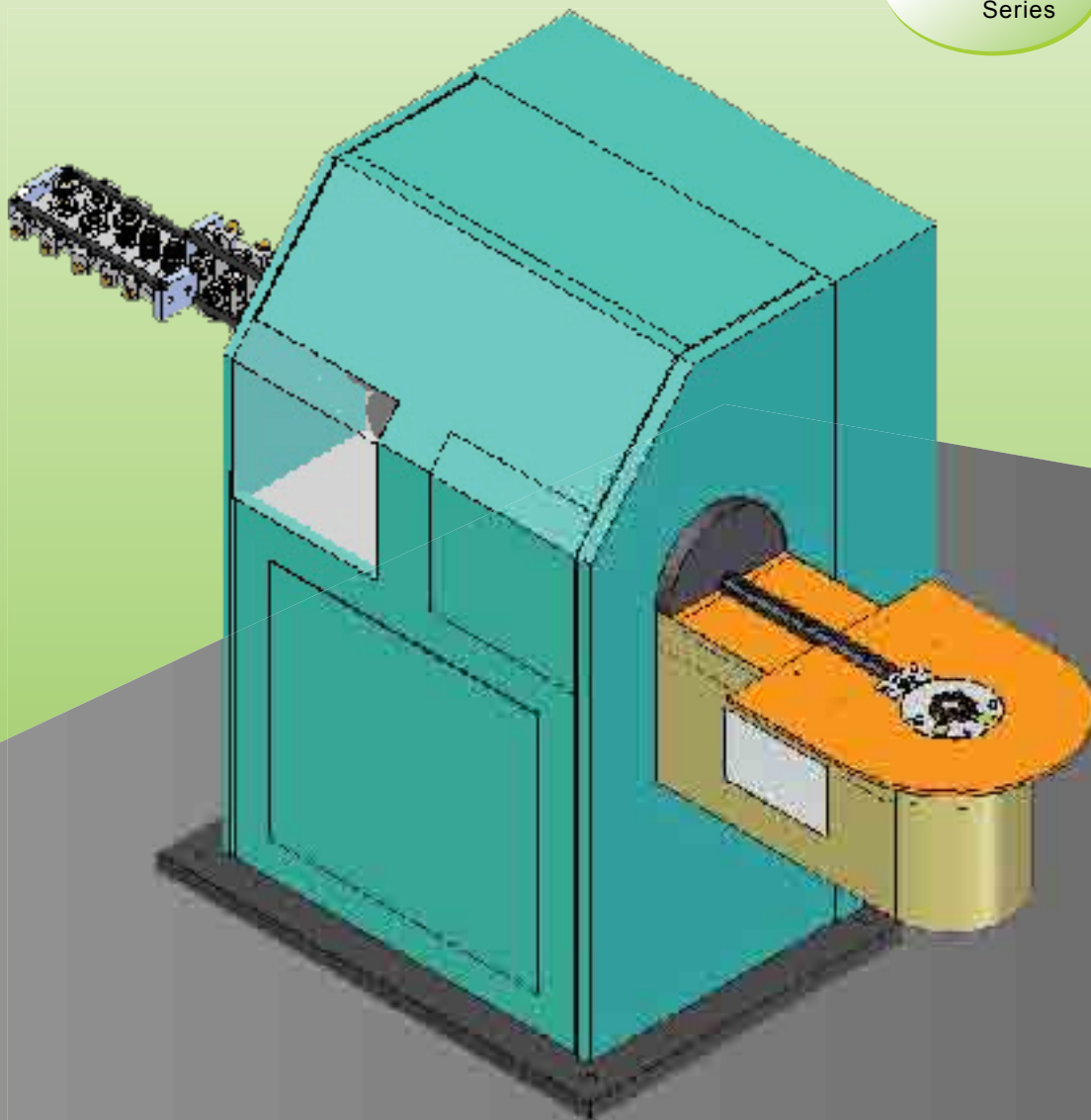




CNC Wire Bending
PSP 3D 06T



MACHINE SPECIFICATION

Machine model : PSP 3D 06T, CNC 3D wire bending machine with indexing tool changer

MACHINE CAPACITY

Wire dia. 3.0 mm to 6.0 mm in mild steel max. wire tensile at wire dia. 600 N/mm².

Wire dia. 3.0 mm to 5.0 mm in stainless steel max. wire tensile at wire dia. 525 N/mm².

X- AXIS FEEDING

Feeder axis wire feed resolution :- +/- 0.006 mm.

Max. wire feed speed :- 80 m/min.

Feed Accuracy in mm :- 0.04 mm.

Feeding :- Unlimited

Y- AXIS BENDING

Bender axis wire bend resolution :- +/- 0.005 mm.

Max. wire bending speed :- 700 degree/ sec.

Bend Accuracy in degree :- 0.03 degree.

Max. Angle of Bending :- 180 degree. (Bend accuracy depend upon wire tensile strength)

Z- AXIS ROTATING

Rotator axis wire resolution :- +/- 0.006 mm.

Max. Head rotating speed :- 480 degree/ sec.

Feed Accuracy in mm :- 0.03 mm.

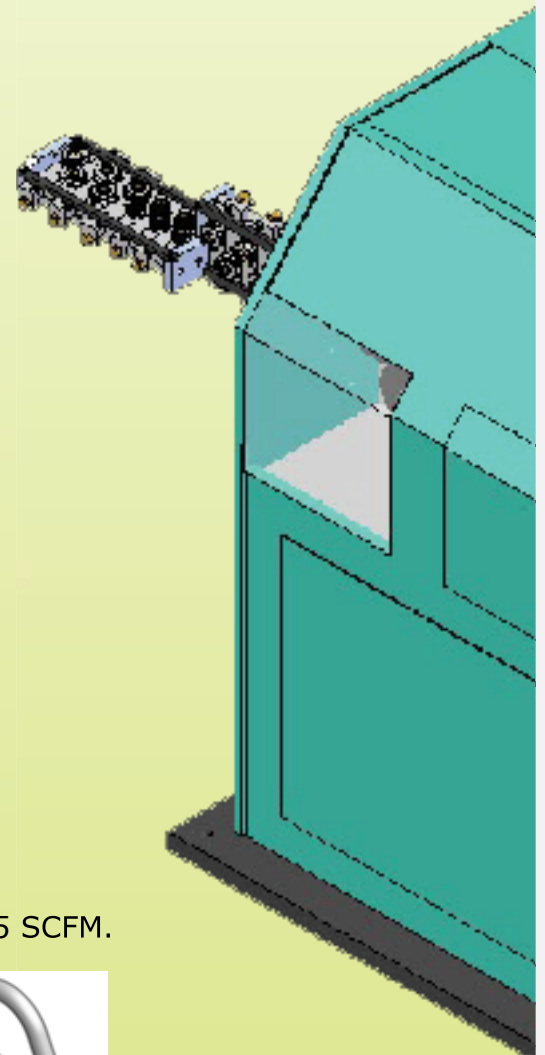
Max. Angle of rotation :- 180 to - 180 degree.

PRODUCTION RATE PER MINUTE

This depends on	:	The number of feeds and bends,
	:	The amplitude of movements,
	:	The wire tensile strength,
	:	The effect of whip,
	:	total length of components,
On the average	:	0.7 to 1.2 seconds per bend.

SET UP TIME

Same wire diameter	:	02 min.
Change feed roller, wire guide, tools	:	20 min.
Installed power capacity	:	15 KW.
Air pressure / consumption	:	6 Bar / 1.5 SCFM.



WEIGHT & DIMENSIONS

Height, width & depth : 1500 * 900 * 920 mm.

Weight in kgs. : 2250 kgs.

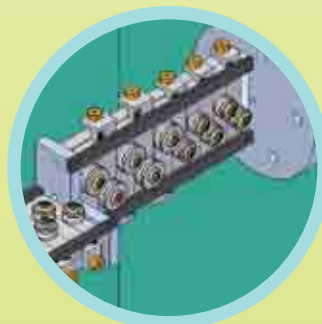
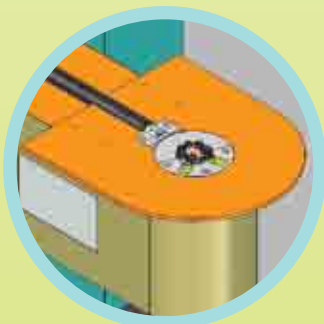
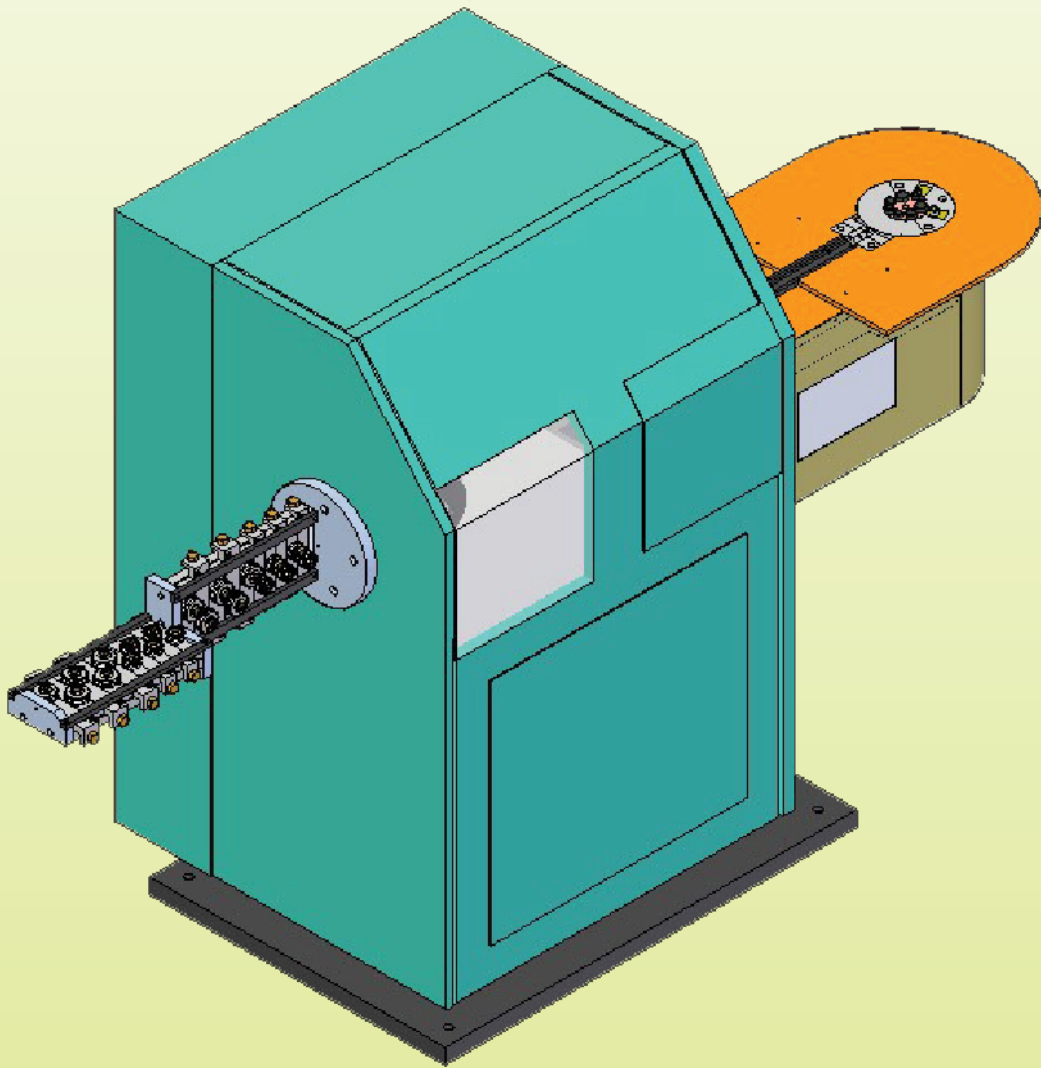
One basic cnc wire bending machine as described above , including

PSP 3D 06T CNC 3D Wire Bending Machine.

Set of wire dia. guide, tooling, rollers.

One wire straightener type ST-09/2, wire dia. 2.5 mm to 6 mm.

One wire decoiler unit D-500 with powered controlled by VFD.



'Wiroforms' is committed to providing its customers cost effective solutions for their wire forming & bending requirements satisfy by serving the manufacturing Industry providing products & sales after services of superior quality at a fare price.

Wire forming principle means wire forming directly from coil the wire is fed & formed progressively in 3D in until the complete part has been achieved.

4 or 5 axes operated by brushless servo & controlled by a top of the range CNC control system in the world. Hydraulically operated cut off & clamping functions; further functions are available to an optional.

When you look to purchase CNC wire bending machine you needs to consider the types of parts that you wants to bend & you also needs to look at the materials you plan to bend. The wire bending machine in the market today are designed to bend mild steel materials and the cutter and bending heads will not hold up to stress of bending of high carbon steel, spring steel & stainless steel materials.

Process

The software of the wiroforms includes an original feature that allows the operator to program by entering only the essential values to the numerical control programming during production is possible.

Programming is done in simple step by step method from the chosen first bend. In 2D parts to make the operator will program on the screen the select first wire diameter, enter the value of required feed or length in mm or inches & enter the value of required angle of bend. While in 3D and multi radius parts to make the operator will program on the screen the select first wire diameter, enter the value of required feed or length in mm or inches & enter the value of required angle of bend, select mandrel which radius you want to make & select the bending arm position finally produces your desires parts in a minute.

Simply user to enter L-length, R- radius & A- angle and Z- third dimensional angle value. Once the part has been checked bending angle corrections can be carried out, either individually per bend or as a general correction on all bends. Feed & bending speeds can be adjusted.

The programs will be identified & memorized in the internal memory onto the large capacity hard disk or floppy disk for off line transfer. total length of wire used, the production rate & the residual production time will be displayed by the numerical controller.

Should a programming error or a fault on the machine occur, the auto diagnostic features will pin point the cause. Detection of breakage & machine stop when operation without surveillance.

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