

# DOUBLEBENDER

SYNCLONE 45S is designed for customer requirements and aims to reduce costs & increase productivity in rebar & precast factories. SYNCLONE is servo controller doublebender and able to bend to 42mm ( #14 ) rebars.

# SYNCLONE

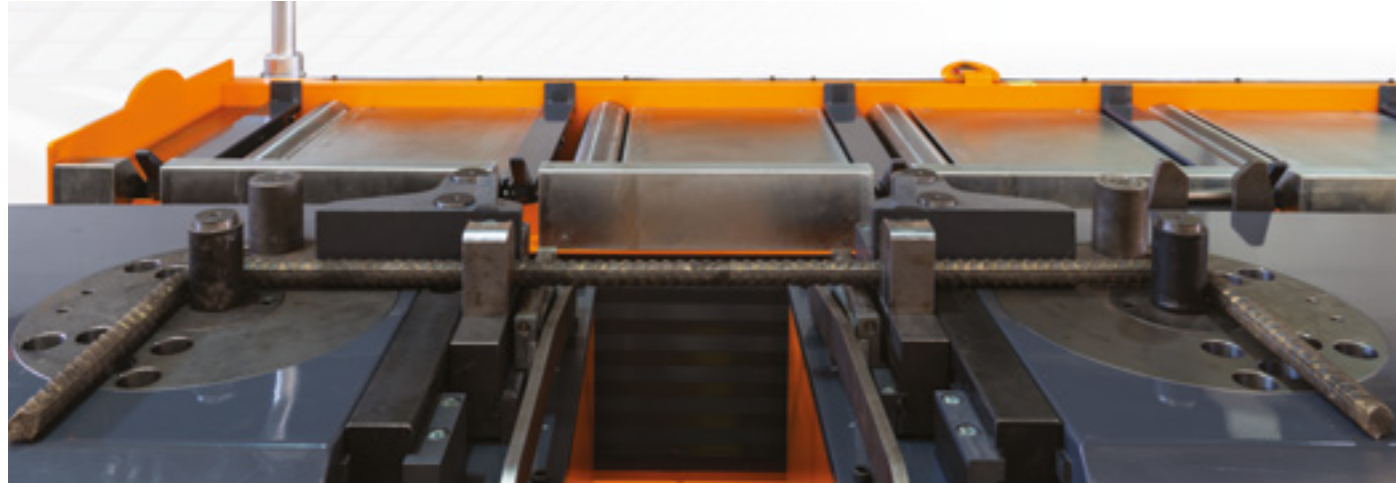
master of  
double bender



**45S**

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SYNCLONE has user friendly software program and enables less labor force which enables to maximize the required number of bendings. It also reduces user failures by the support of software programming. Programming is also very user friendly and operator has quick option for bending angles and tooling choosing.



## FEATURES

- 14 meter ( 45ft ) feeding conveyor unit
- **Servo engines** are using in Synclone45S.
- **Pneumatic kick off system**, automatic
- Feeding to bending is manual
- Easy to operate, user friendly setup & control
- Adjustable speed option of rollers for conveyors is available.
- SYNCLONE can work as doublebender mood as well as manual bender. 1 stationery bender and 1 moving bender is available. If operator desires to bend small shape of bendings, machine allows to work as manual option as well individually.
- **Full automatic digital control panel** enables to work fast and get bending results fast.
- Minimum distance between two bending machine is 1 meter but with the assistance of bending tools it can be also more narrow.
- MANDRELS supplied with machine -  $\varnothing 70$  ,  $\varnothing 80$  ,  $\varnothing 100$  ,  $\varnothing 110$  ,  $\varnothing 125$  ,  $\varnothing 145$  ,  $\varnothing 160$  ,  $\varnothing 180$  ,  $\varnothing 215$



## DIGITAL PANEL

New and Improved digital panel system enables fast solutions for operators.

### 10.1 Digital panel

Saving and recalling many bendings shapes are available as automatic and data utilization is available.

Faster setups for programming required bendings

Barcode System is also available as optional in Synclone 45s DoubleBender. ( Instant scanning is also included )





## SYNCLONE 45S TECHNICAL DETAILS

Stationery bender motor power ( KW / HP )	7.5KW SERVO MOTOR / 9,38 HP
Moving bender motor power ( KW / HP )	7.5KW SERVO MOTOR / 9,38 HP
Moving motor power ( KW / HP )	2,2KW SERVO MOTOR / 2,9 HP
Hydraulic motor power ( KW / HP )	4 KW ~ AC MOTOR / 4,02 HP
Roller motor power ( KW / HP )	3 KW ~ AC MOTOR / 5,36 HP
Total Power (KW / HP )	25,2 KW / 33,80 HP
Energy consumption (KWh)	17,3 KWh
Total weight ( KG / LBS )	7000 KG / 15,432 lbs
Bending sensitivity	± 5 mm
Hydraulic system power ( BAR / PSI )	180 BAR / 2610 PSI
Remote Control ( Remote Connection )	Available
Collecting Bins	Available ( 3 piece )
Pneumatic system working air pressure ( BAR / PSI )	8-10 BAR / 116-145 PSI
Barcode system	Avaiable ( Optional )

## BENDING CAPACITIES CAPACITIES OF DOUBLEBENDER

Machine Model : SYNCLONE 45S  
Machine Name : 42MM ( #14 ) DOUBLEBENDER

## DIAMETER / INCH BAR SIZE

## STRENGTH OF STEEL

	45 kg/mm <sup>2</sup> / Piece	65 kg/mm <sup>2</sup> / Piece	85 kg/mm <sup>2</sup> / Piece
Ø 42 / #14	1	1	-
Ø 36 / #11	1	1	1
Ø 30 / #10	2	2	1
Ø 24 / #8	3	3	2
Ø 20 / #6	4	4	3