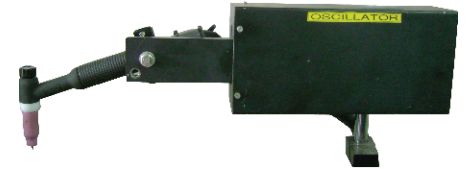
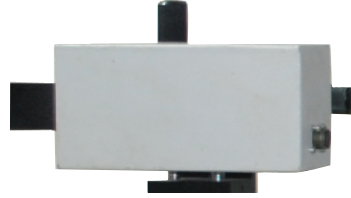
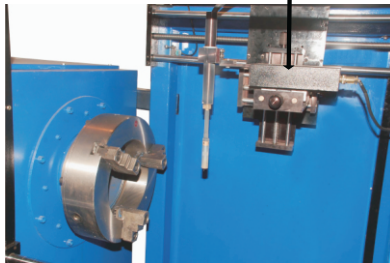


## WELDING OSCILLATOR / WEAVER

Weld Arc Weaver, commonly known as Welding Oscillator is the mechanism to simulate the condition of Weld Arc Weaving as done by hand by an expert welder.



Oscillator used in Hardbanding



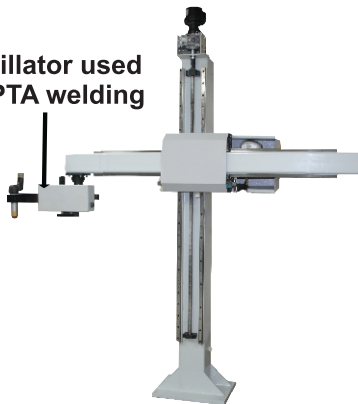
### Features:

- Very precise Ball screw or Rack & Pinion mechanism.
- True linear motion.
- Fully enclosed to avoid ingress of fine particles, heat etc.
- Stepper motor driven for easy controllability.
- Stroke width of 0 to 75mm (Higher width available on request).
- Full digital control with easy programmability of parameters.
- Different models available for different torch capacity of 5, 10 & 15 kg
- Single controller to control three different mechanism.
- External start / stop facility for easy interfacing.

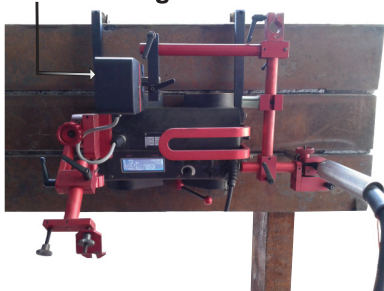
### Key Advantages are:

- Significant improvement in Welding or Cladding process.
- Increased productivity with ease of operation for Multi-pass welding.
- Overall improvement in sidewall fusion & undercut.
- High weld quality, uniformity & appearance.

Oscillator used in PTA welding



Oscillator used in MIG Welding



### Specifications:

Parameters	OSC_5	OSC_10	OSC_15
Input Supply	220 VAC, 3-Ø	220 VAC, 3-Ø	220 VAC, 3-Ø
Input Power (Watt)	50	100	150
Stroke Width (mm)	0 – 25 +/- 0.2	0 – 50 +/- 0.5	0 – 75 +/- 0.5
Stroke Speed (mm/min)	0 – 2500 +/- 5	0 – 3000 +/- 5	0 – 3500 +/- 5
No of Strokes per sec	0 – 60 @ 25mm	0 – 50 @ 25mm	0 – 40 @ 25mm
Left Dwell (sec)	0.0 – 9.9 +/- 0.1	0.0 – 9.9 +/- 0.1	0.0 – 9.9 +/- 0.1
Right Dwell (sec)	0.0 – 9.9 +/- 0.1	0.0 – 9.9 +/- 0.1	0.0 – 9.9 +/- 0.1
Process Compatibility	TIG / MIG / PTA / Plasma	SAW / TIG / MIG / PTA / Plasma	SAW / TIG / MIG / PTA / Plasma
Pay Load Capacity	5 kg	10 kg	15 kg
Mechanism	Ball Screw	Ball Screw	Rack & Pinion
<b>Dimension (mm):</b> Controller (L x W x H) Mechanism	350 x 325 x 160	350 x 325 x 160	350 x 325 x 160
	280 x 130 x 75	315 x 157 x 90	300 x 150 x 90
<b>Net Weight (Kg):</b> Controller (L x W x H) Mechanism	8.5	8.5	8.5
	4.8	5.5	5.8

Specifications are subject to change without notice

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