

Wire Feeder / Wire Injector

Wire Feeding Machines for Ladle Refining Furnace are developed to inject cored wires like CaSi, Carbon, Sulphur, Boron and Aluminium for following purpose:

For controlling the shape of inclusion,

- To improve fluidity, cast ability, and cleanliness,
- To improve cold ductility specially required for wire drawing,
- To control blow holes and improve machinability,
- Desulphurization in steel casting,
- Also wire injection leads to the best Aluminium recovery and less nitrogen.

Capacity

1 Solid Wire	: 5mm Min 21mm Max (Heavy Model)
2 Cored Wire	: 5mm Min 21mm Max
3 Shape of Wire	: Round / Square / Rectangular / Polygonal
4 Speed Range	: 0 – 300 mtr /Min
5 Technique of Feed	: Flipping Coil (Cage)
6 Accuracy of Feed	: $\pm 1\%$
7 Method of Setting Feed Length	: Digital, in Meters
8 Method of Setting Feed Rate	: Digital, in Meter / Minute
9 Range of Speed	: 50 to 300 Meters / Minute

Model: WFA2-D100

2-Strand, Feed Rate: Up to 200 Meter / Minute; For cored wire, with Horizontal Flipping. Wire dia. up to 21 mm, Suitable for injection of cored wire in 2 strands simultaneously at a speed range of 50 to 200 Meter / Min. The machine is also suitable for feeding only one wire.

Features:

1. Motor: AC, 9 kW, 1440 rpm, Make: Standard,
2. Motor Control through Variable Frequency Drive (VFD); Make: Standard
3. Further Reduction Through Gear Box.
4. Metering Of Injection Through Encoder; instead of Proxy, For Better Measurement of injected wire.

Model: WFA2-D125

2-Strand, Feed Rate: Up to 300 Meter / Minute; For cored & Solid wire , with Horizontal /Vertical Flipping. Wire dia up to 21 mm, Suitable for injection of cored wire / Solid Wire in 2 strands simultaneously at a speed range of 50 to 300 Meter / Min. The machine is also suitable for feeding only one wire.

Features:

1. Motor: AC, 14 kW, 1440 rpm, Make: Standard,
2. Motor Control through Variable Frequency Drive (VFD); Make: Standard
3. Further Reduction Through Gear Box.
4. Metering Of Injection Through Encoder; instead of Proxy, For Better Measurement of injected wire.

Model: WFA4-D125

4-Strand, Feed Rate: Upto 300 Meter / Minute; For cored & Solid wire, with Horizontal /Vertical Flipping. Wire dia upto 21 mm, Suitable for injection of cored wire / Solid Wire in 2 strands simultaneously at a speed range of 50 to 300 Meter / Min. The machine is also suitable for feeding only one wire.

Features:

1. Motor: AC, 18 kW, 1440 rpm, Make: Standard,
2. Motor Control through Variable Frequency Drive (VFD); Make: Standard
3. Further Reduction Through Gear Box.
4. Metering Of Injection Through Encoder; instead of Proxy, For Better Measurement of injected wire.



Note: Supplied equipment may vary from the image(s) shown here.