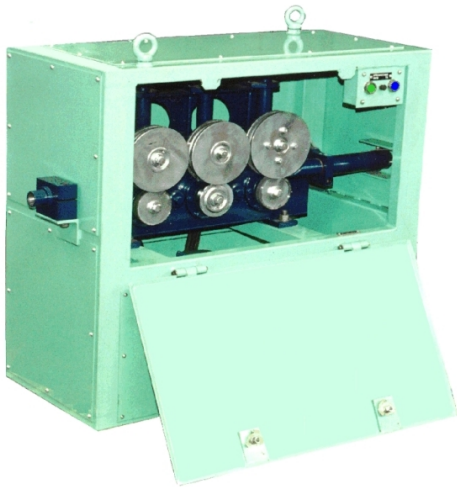




EQUIPMENT Type PD51e

1. Application



The **PD51e machine** serves to introduce cored wire into molten metal in ladle during the non-furnance treatment of steel, cast-steel, cast-iron (modification, spheroidization, desulphurization, introduction of alloying elements, etc.).

The equipment was designed for the needs of medium and small sized metallurgical plants.

2. Technical data

Limiting outline of feeding machine		Limiting outline of control machine	
height	930 mm	height	1 000 mm
width	450 mm	width	600 mm
length	960 mm	length	380 mm
mass	360 kg	mass	50 kg
Power installed	2,2 kW		
Power supply	3x380 V (3x400V), 50 Hz		
Electric drive	Three-phase, asynchronous motors		
Velocity control	Frequency converter		

3. Operation parameters

Diameter of wires injected:	- 5 mm ÷ 13 mm
Velocity of wire injection:	- 1 m/min ÷ 99 m/min
Velocity control:	- 1 m/min step
Setting range of meters:	- 000.1 ÷ 999.9 m, every 0.1 m
Number of feeding strands:	- 1
Number of powered rolls in one strand:	- 3

4. Control

Control is performed from the control desk, which is located on the front wall of the control unit. The desired wire length to be introduced into ladle as well as injection velocity is being set on digital selectors.

Both these parameters are indicated on digital displays during the machine operation.

After the **START** button is pressed the appliance will introduce a required length of wire with predefined velocity into the ladle and will stop by itself when done.

A withdrawal of the wire from the injection system can be done manually with the **WITHDRAWAL** button or automatically during the feeding cycle.

