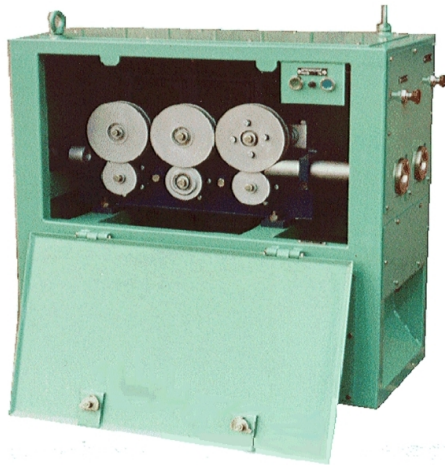




EQUIPMENT Type PD52e

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 small and medium sized metallurgical plants.

2. Technical data

Limiting outline of feeding machine		Limiting outline of control machine	
height	930 mm	height	1 200 mm
width	850 mm	width	600 mm
length	960 mm	length	380 mm
mass	720 kg	mass	80 kg
Power installed	4,4 kW		
Power supply	3x380 V (3x400 V), 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:	-	000.1m	÷	999.9 m, every 0.1 m
Number of feeding strands:	-	2		
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, independently for each strand. The desired length of wire to be introduced into the ladle is being set on digital selectors.

The injection velocity is also regulated by digital controllers. Both these parameters are indicated on digital displays during the machine operation.

After the **START** button has been pressed the equipment will introduce the desired number of meters into the ladle with predefined velocity, and will stop by itself.

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

