



EQUIPMENT Type PD41M

1. Application



The **PD41M machine** serves to introduce cored wire into molten metal in ladle or tundish during the non-furnance treatment of molten metal.

The equipment was designed for the needs of small seized metallurgical plants, especially for non-ferrous metallurgy.

2. Technical data

Limiting outline of feeding machine		Limiting outline of control machine	
height	990 mm	height	200 mm
width	490 mm	width	300 mm
length	1 060 mm	length	150 mm
mass	360 kg	mass	6 kg
Power installed	0,75 kW		
Power supply	3x380 V (3x400 V), 50 Hz		
Electric drive	Three-phase motoreducer		
Velocity control	Frequency converter		

3. Operation parameters

- Diameter of wires injected: - 5 mm ÷ 13 mm
- Velocity of wire injection: - 4 cm/min ÷ 200 cm/min
- Velocity control: - stepless, by multirotary potentiometer
- Setting range of meters: - 000001cm ÷ 999999 cm
- Number of feeding strands: - 1
- Number of feeding strands: - 3

4. Control

The control is performed from the control desk. The injection velocity is regulated by a potentiometer. After the **START** button has been pressed the equipment begins introducing a wire with predefined velocity.

On the digital displays of the length and velocity gauge the present parameters of the wire injection in process are indicated.



A stop of wire feeding will take place after the **STOP** button has been pressed.

A withdrawal of wire can be carried out with the **WITHDRAWAL** or **FAST WITHDRAWAL** button.

There is also an equipment version with PLC accessible, which enables the automatic control of the feeding process by a computer.