



EQUIPMENT Type PD32S

1. Application



The **PD32S machine** serves to introduce cored wire into molten metal in ladle during the non-furnance treatment of steel (modification, desulphurization, adding of alloying elements).

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

2. Technical data

Limiting outline of feeding machine		Limiting outline of control machine	
height	1 200 mm	height	1 200 mm
width	850 mm	width	800 mm
length	1 200 mm	length	350 mm
mass	820 kg	mass	115 kg
Power installed	15 kW (optionally 22 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:
 - cored wire (*aluminium*) - from 5 mm to 13 mm (*12 mm*)
- Velocity of wire injection: - up to 300 m/min
- Velocity control: - 1 m/min step by step
- Setting range of meters: - 0001 m ÷ 9999 m, every 1 m
- Number of feeding strands: - 2
- Number of powered rolls in one strand: - 4

4. Control

Type PD32S has been equipped with PLC. Control of feeding process is provided from keyboard on front Touch Panel of control cubic.

Control push bottoms are located only on the machine itself close to powered rolls. After the side-shield cover is opened PLC control is inactive and whole control (manual mode only) can be performed using bottoms close to the rolls.

Wire length to be fed into the ladle and velocity of feeding are set from keyboard (windows "LENGTH" and "SPEED"). During the feeding process the real parameters are displayed on monitor's screen which is placed on front panel of control cubic. After ETHERNET connection process can be realized from PC.

