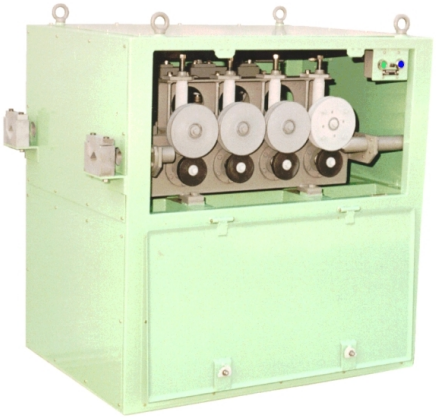
PRODRUT ®

PRODRUT ® Ltd. 44-100 Gliwice, Sobieskiego 11

EQUIPMENT Type **PD32e**

1. Application



The **PD32e 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

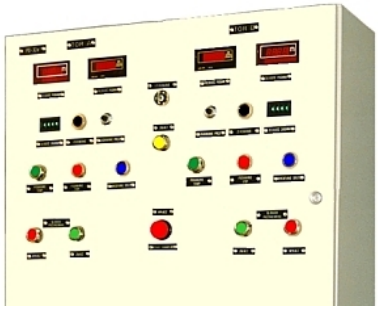
Power installed	15 kW
Power supply	3x380 V (3x400V), 50 Hz
Electric drive	Three-phase, asynchronous motors
Velocity control	Frequency converter

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:	-	stepless
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



Manual 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 is being set on digital selectors, while the injection velocity is regulated by numerous rotary potentiometers independently for each strand. Both parameters are displayed on digital controls during the 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 or automatically during the cycle.