

AUNP-002 PLANT

AUNP-002 plant was developed by «SP «VISP» Company (Kyiv) and is designed for automatic surfacing of outer surface of parts of rolling mill LPTs-1700, namely clutches, bearing bodies (pads), spindles, by a technological metal layer, using solid wire in shielding gas atmosphere, as well as flux-cored wire. The plant is designed for operation at ambient temperature from 0 up to +30 °C.

Plant is an equipment complex, allowing surfacing of flat and cylindrical parts by a technological metal layer. The plant base are the assembled left and right columns with rail guides, along which moves the gantry, carrying the process equipment.

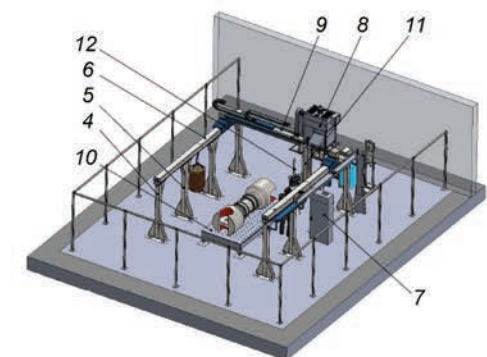
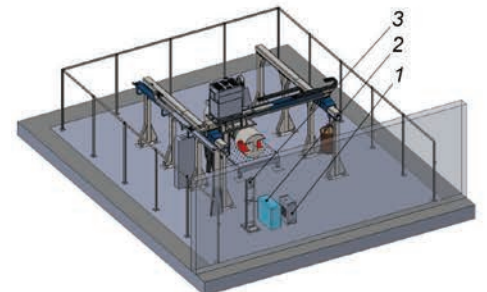
Rail guides, along which the carriage moves, are mounted in the upper part of the gantry. The carriage platform can accommodate exhaust gas filtering system, drums with flux-cored wire or solid wire, as well as a vertical carriage, which provides vertical movement of the torch.

The design allows torch adjustment by height and width, as well as regulation of the angle of inclination. Plant operation is controlled from a remote panel and main display.



Specification

No	Parameter description	Data
1	Dimensions (max) of surfaced parts, mm length width height	3000 1200 1500
2	Surfacing process	MIG/MAG FCAW-G
3	Surfacing wire diameter, mm	1.6; 2.0; 2.4; 2.8; 3.2
4	Length of gantry horizontal movement, mm	3970
5	Length of horizontal movement of gantry carriage, mm	2500
6	Length of vertical movement of torch carriage, mm	1300
7	Speed of horizontal movement of gantry carriage, mm/min	3–6000
8	Speed of horizontal movement of gantry carriage, mm/min	3–6000
9	Speed of vertical movement of torch carriage, mm/min	3–6000
10	Max mum consumed power of control cabinet, kW	4
11	Max mum consumed power of aspiration system, kW	3
12	Max mum consumed power of welding source, kW	70
13	Max mum consumed power of the plant, kW	77
14	Mains parameters	3N~/50 Hz 380 V
15	Overall dimensions, mm length width height	5300 5200 4300
16	Weight without welding equipment, kg	5200



1. Autonomous cooling unit
2. Power unit
3. Ramp
4. Side rack
5. Middle rack
6. Guide beam
7. Electric cabinet
8. Exhaust gas filtering system
9. Gantry
10. Welding table
11. Vertical carriage
12. Control panel