

PLASPI TEC W 35

WELDING WIRE EXTRUSION

The welding wire production line Plaspittec W 35 was specially designed for plastic fabricators who are using welding wire out of Polyethylene and Polypropylene in their production.

The entire demand of welding wire for plastics production can be covered with only a minimum amount of manpower. Only a few minutes a day are required.

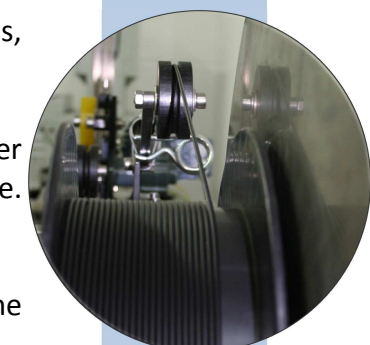
Welding wire diameters: 3, 4 or 5 mm
Material: PE 100, PE 80, PE-el, PPH, PPR, PPs
Recommended maximum output is 6 kg/h

The production process:

1. For the assembling of the production line, an area of 1 x 5 m is required. Power supply 400 V (4 kVA)
2. A pure-grade plastic granulate (PE 100, PE 80, PP-H; PP-R...) in bags of 25 kg is required for the production of the welding wire. The material can be obtained directly from Plaspittec or another plastic distributor.
3. The machine is being heated up automatically once the line is turned on.
4. A bag of 25 kg of the required material is filled into the hopper.
5. The extruder starts and the wire is guided to the haul-off unit.
6. The cooling process starts and the measurements must be checked once again— \varnothing 3,4 or 5 mm.
7. The welding wire is mounted at the spool and is wound up.
8. The production line is working completely autonomously. It turns off automatically once the filled material has been used completely.
9. The 25 kg spools can be rewound later to smaller spools, depending on requirement.

The manpower requirements are limited to a few minutes per day. The costs of material are limited to the required granulate. The cost advantage is enormous.

You will be able to produce your own wire without having the operating expenses of a full production.



The quality is determined significantly by the raw material itself.

The granulate material can be provided with a factory test certificate and local approvals.

The welding wire production line W 35 consists of one compact, mobile extrusion unit, three cooling units and one combined haul-off and rewinding unit.



Our selling price ex works for the entire welding wire production line is:

28.500,00 €

Please find below an exemplary specification of costs for the production of PE- welding wire with different outputs.

Material requirements per year	1.000	2.000	3.000	4.000	5.000	kg
Machine price	28.500	28.500	28.500	28.500	28.500	€
Depreciation period	10	10	10	10	10	Years
Depreciation per year	2.850	2.850	2.850	2.850	2.850	€
Approx. granulate price (PE)	1,50	1,50	1,50	1,50	1,50	€/kg
Total costs for granulate	1.500	3.000	4.500	6.000	7.500	€
Average output	5	5	5	5	5	kg/h
Machine hours per year	200	400	600	800	1.000	h
Approx. time needed for operators per year	30	40	60	80	100	h
Personnel expenditures (25 €/h)	500	1.000	1.500	2.000	2.500	€
Power supply (0,15€/kWh)						
Average power consumption ca. 2 kVA	60,00	120,00	180,00	240,00	300,00	€
Total costs per kg	4,91	3,49	3,01	2,77	2,63	€/kg

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