

EAGLE



HDPE/PP SPIRAL WOUND TANK PRODUCTION LINE

青岛永科机械科技有限公司
QINGDAO YONGKE MACHINERY CO.,LTD



Eagle is professional manufacturer to produce large diameter HDPE/PP spiral wound pipe production line. We are successful to supply all the world with spiral profile wound pipe production line from DN300mm to DN4500mm and have more than 12 years' experience.

We focus on developing and manufacturing the technology and equipment to produce HDPE/PP spiral wound pipe, HDPE/PP spiral wound tank, fittings, manhole, etc. Our product includes HDPE/PP spiral pipes, HDPE or PP spiral wound pipe production line, HDPE/PP spiral tank winding machine, mandrel (production tooling), single wall corrugated pipe machine, HDPE/PP spiral manhole boring machine, HDPE/PP spiral tank welding machine, etc.

Till now we have supplied more than 200 lines of HDPE spiral wound pipe / tank production lines. Our clients are in worldwide such as China, Turkey, Russia, India, Iran, Saudi, Kuwait, Chile, New Zealand, US, Philippines, Malaysia, Uzbekistan, Chile, etc.



The HDPE or PP spiral wound tank machine can produce the tank with the diameter up to DN4500mm and length up to 9000mm, with EAGLE seamless spiral winding technology what is most cost-efficient method for the manufacturing of large diameter tanks. The tank wall thickness can be more than 150mm. This machine is fully computer controlled and stepped wall thickness tank can be produced automatically.

The tank can be made from different grade of high-density polyethylene and polypropylene. The machine can be upgraded to produce special double wall structure tank with leakage control for chemical storage tank.

With advanced automatic welding machine, the bottom and cover can be welded automatically. The welding seam is uniform and strong to avoid any leakage.

Main Feature

- Tank diameters: DN/ID 600 mm up to DN/ID 4500 mm
- Tank length: 6-9 m
- Wall thickness: up to 150mm
- Material: HDPE, PP-HM, PP-B, PP-H, PVDF
- Output: 400-700kg/h
- Application: chemical storage and process tank, scrubber, silo for food and grain storage tank, water storage tank, CO2 Stripper, storm retention tank, etc





Capacity of HDPE or PP spiral wound tank m³

DN\H	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m
1000	1.6	2.4	3.1	3.9	4.7	5.5	6.3	7.1	7.9	8.6	9.4
1200	2.3	3.4	4.5	5.7	6.8	7.9	9.0	10.2	11.3	12.4	13.6
1500	3.5	5.3	8.0	8.8	10.6	12.4	14.1	15.9	17.7	19.4	21.2
1600	4.0	6.0	8.0	10.1	12.1	14.1	16.1	18.1	20.1	22.1	24.1
1800	5.1	7.6	10.2	12.7	15.3	17.8	20.4	22.9	25.4	28.0	30.5
2000	6.3	9.4	12.6	15.7	18.8	22.0	25.1	28.3	31.4	34.6	37.7
2400	9.0	13.6	18.1	22.6	27.1	31.7	36.2	40.7	45.2	49.8	54.3
2500	9.8	14.7	19.6	24.5	29.5	34.4	39.3	44.2	49.1	54.0	58.9
2800	12.3	18.5	24.6	30.8	36.9	43.1	49.3	55.4	61.6	67.7	73.9
3000	14.1	21.2	28.3	35.3	42.4	49.5	56.5	63.6	70.7	77.8	84.8
3200	16.1	24.1	32.2	40.2	48.3	56.3	64.3	72.4	80.4	88.5	96.5
3500	19.2	28.9	38.5	48.1	57.7	67.3	77.0	86.6	96.2	105.8	115.5
4000	25.1	37.7	50.3	62.8	75.4	88.0	100.5	113.1	125.7	138.2	150.8
4500	31.8	47.7	63.6	79.5	95.4	111.3	127.2	143.1	159.0	174.9	190.9

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Plastic tank welding machine

The multi-function plastic tank welding machine is equipped extruder to use raw material to extrude the welding strip. This machine can weld inner, outer and side welding seam, such as bottom or top cover. It ensures the seam material is as same as the tank body and guarantee the welding seam quality. The welding arm can be adjusted according to the tank diameter and length. The welding machine can move to the side of the tank in order to weld the side welding seam such as cover, connection joint seam, etc.

Feature of the machine:

High automatic, uniform welding seam and high quality.

Welding seam size can be set according to the requirement of product

Homogeneity and integrity: the welding material is as same as tank body. So the seam is as strong as the tank body.

Smooth: it can weld the long seam continuously and automatically. It can avoid the welding joint or flash caused manual welding.

Low cost: no labor is required during welding.

Specification

Extruder output: 6-12kg/h

Rotation speed: 5-20m/min

Tank diameter: DN800mm to DN4500mm

Tank length: 1m to 6m

Raw material: PP, HDPE, PVDF, PVC



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