



Guangdong Liansu Machinery Manufacturing Co.,Ltd.

Steel Reinforced Spiral Corrugated
Pipe(SRSCP)

Application

- the application of steel reinforced spiral corrugated pipe similar with PE Spiral pipe and PE corrugated pipe, mainly in the field of Sewage and non pressure agriculture pipe; comom size range start from 600 to 2000mm

Advantage

- Light weight: if the size over 800mm plastic material can be cut down 20 to 60% in comparison spiral pipe;
- Low temperature resistance, being installed between -60°C $\sim 60^{\circ}\text{C}$.
- High complete strength, bearing large axial tensile force and circumferential ring stress, max ring stiffness achieve 16KN, max depth underground 10meters;
- Economic Installation cost: size above 800mm, the installation fee $\sim 30\%$ cheaper than spiral pipe
- Easy connection: shrinkage belt will be applied the size under 1000mm, over 1000mm, suggest to use electric fusion belt

Comparism

SP- CP-SRSCP

- Weight

OD	Ring stiffness	SP weight kg/m	CP weight kg/m	SRSCP weight kg/m	weight difference
600	SN8	27	27	24	11%
800	SN8	45	43	30	33%
1000	SN8	68		49	28%
1200	SN8	107		65	39%
1600	SN8	178		101	43%

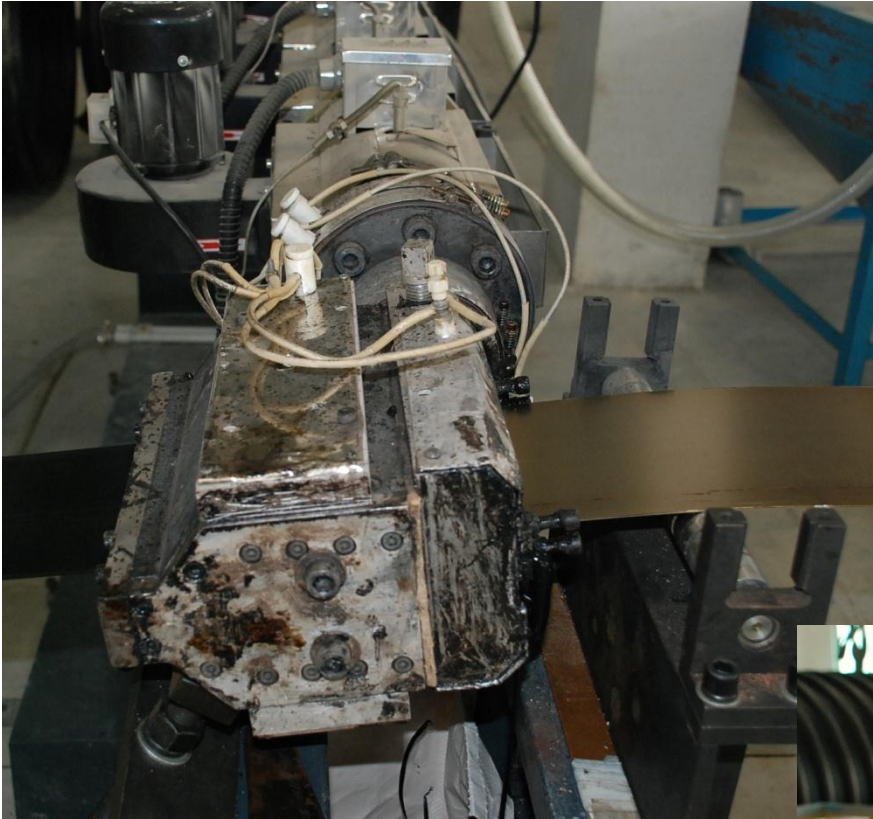
Machine Structure



Step 1: Steel sheet with Coating



Machine Structure



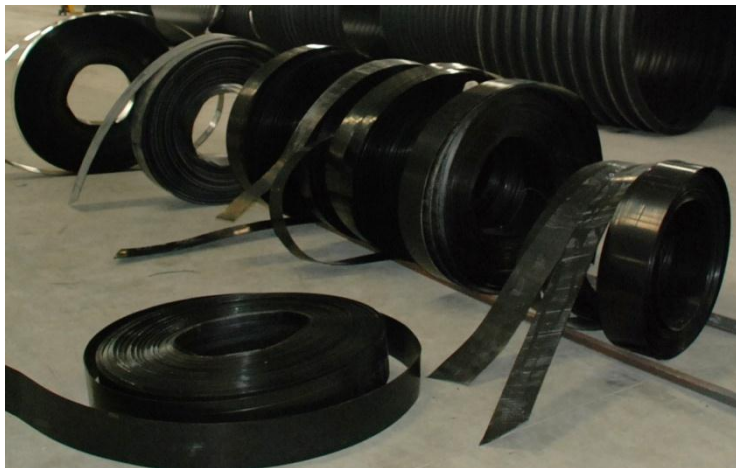
Step 1: Steel sheet with PE Coating



Machine Structure



Step 1: Steel sheet with PE Coating



Steel sheet after coating

Machine Structure

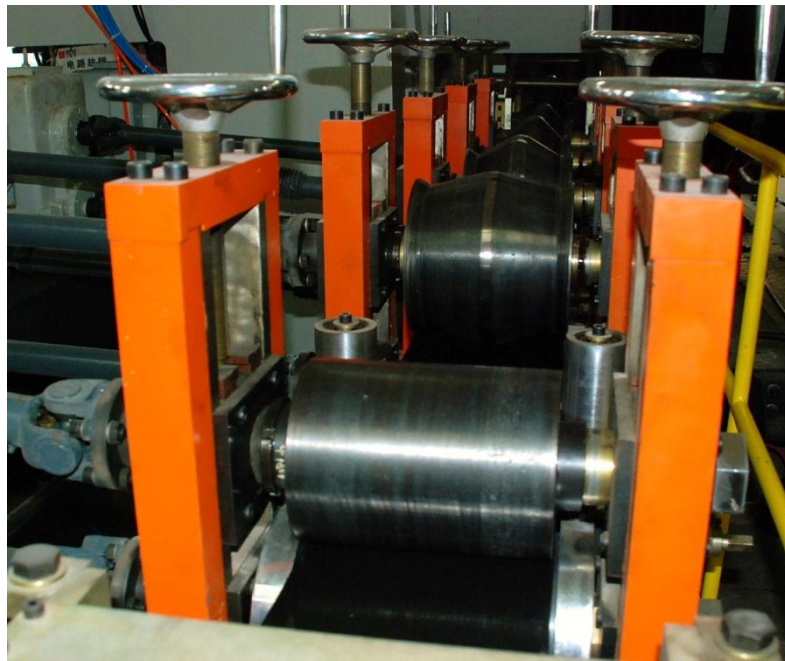
Step 2 Pipe production



Steel sheet release-01



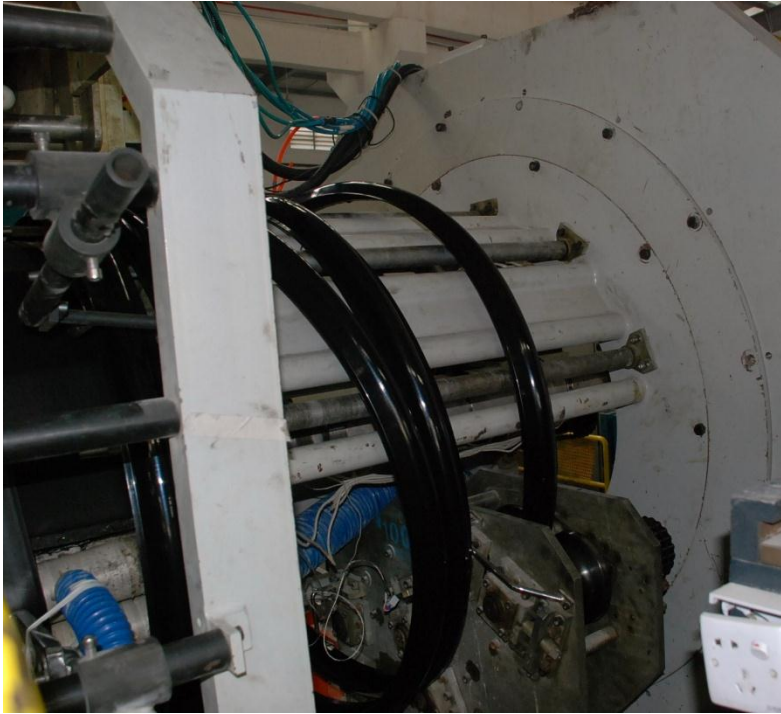
Steel sheet welding-02



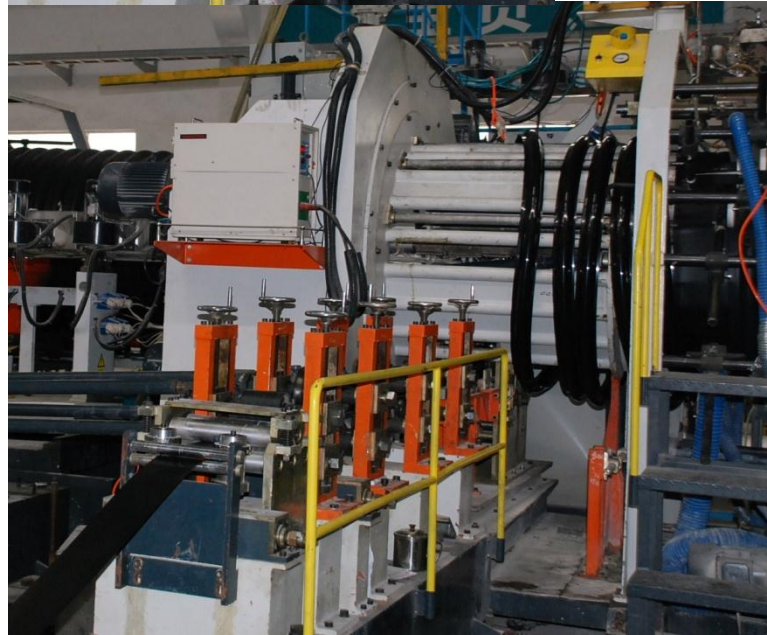
Steel sheet forming-03

Machine Structure

Step 2 Pipe production

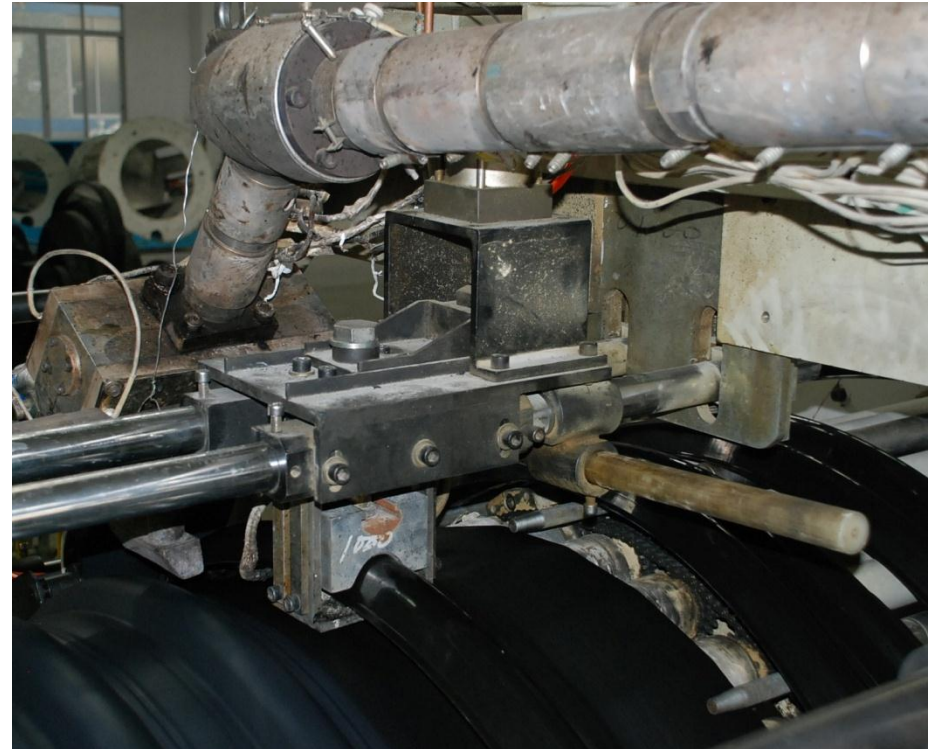
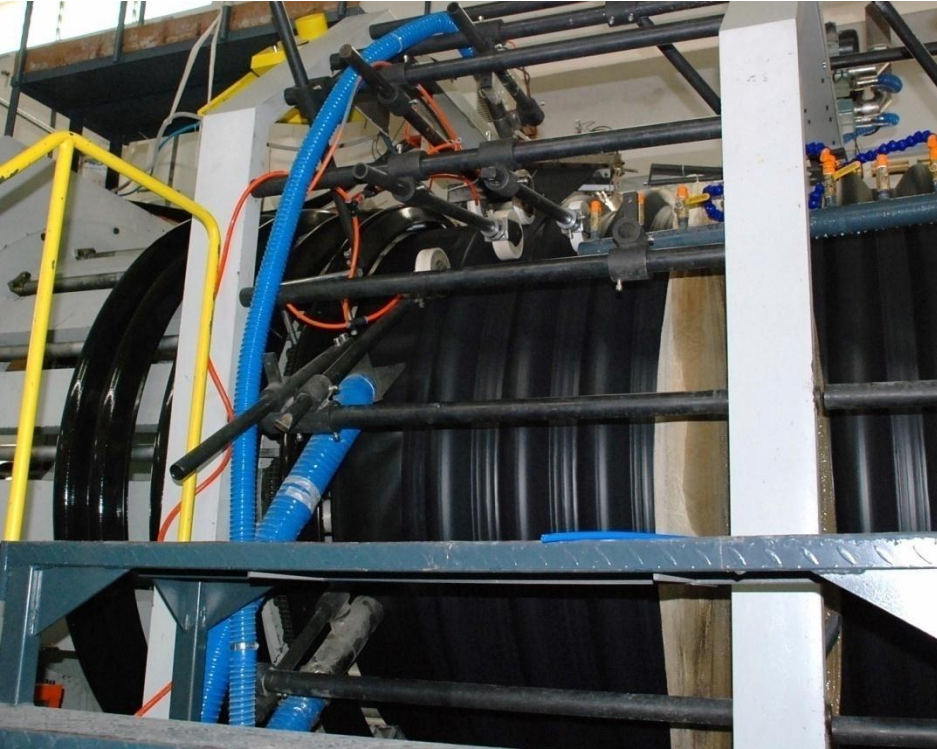


Steel profile pre-winding mandrel before
Co-extrusion



Machine Structure

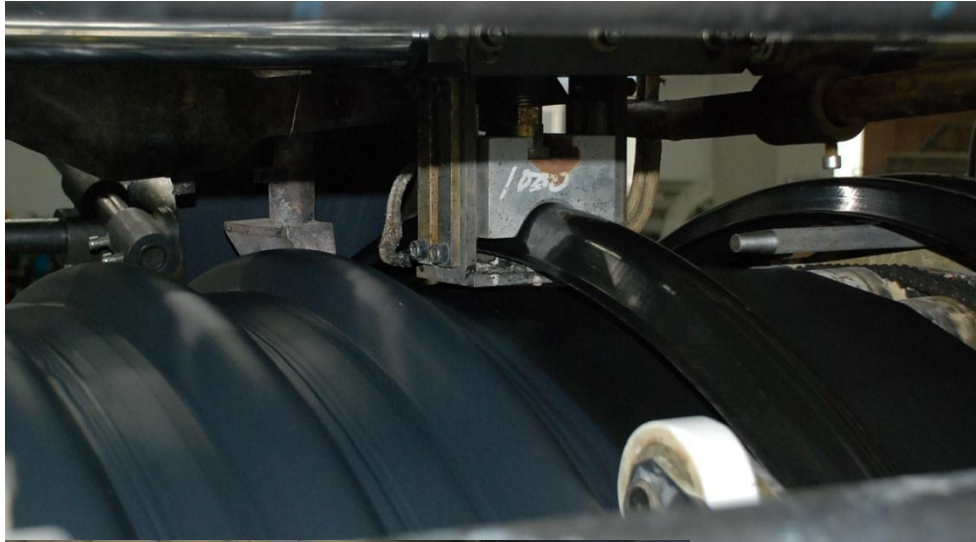
Step 2 Pipe production



Outer layer and inner layer co-extrusion

Pipe forming mandrel

Machine Structure

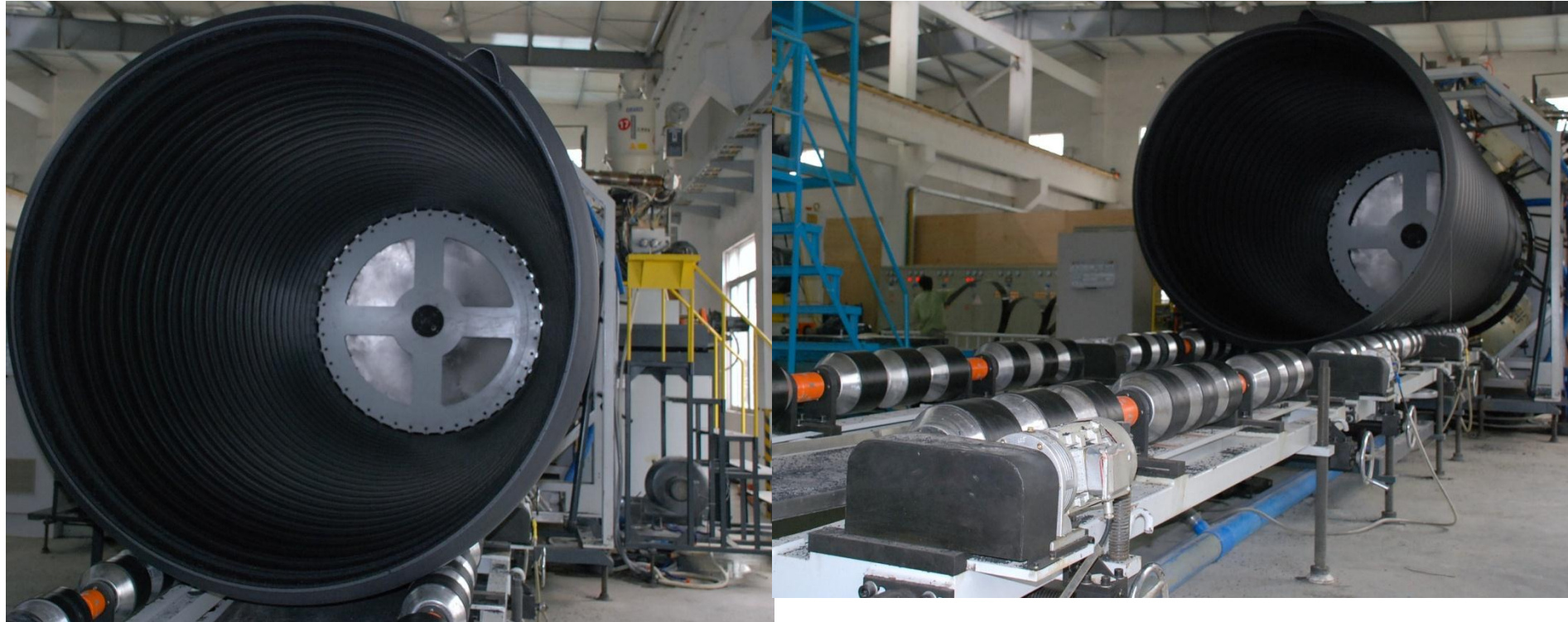


Spiral forming



Cutting unit

Machine Structure



Spiral forming

Machine Structure

Forming mandrel



Steel profile preforming



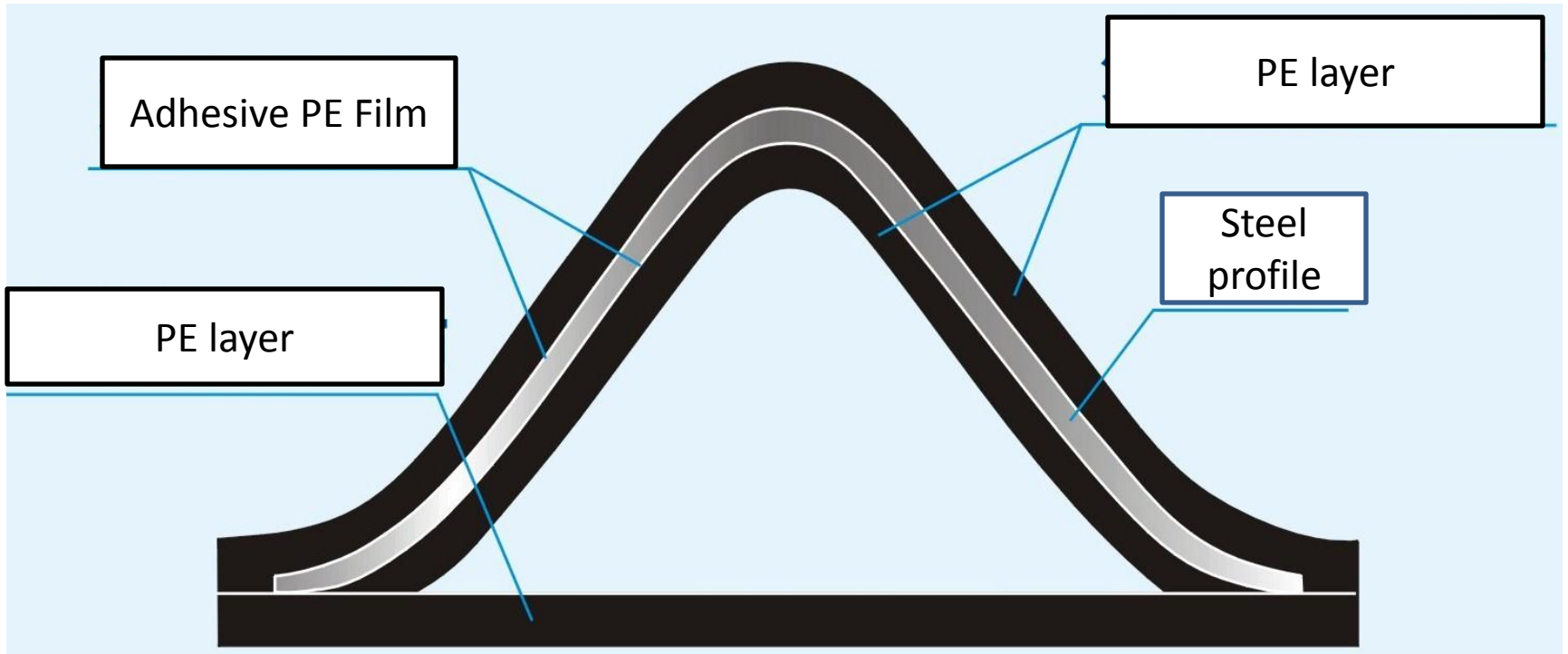
Pipe mandrel



Steel sheet forming device

Pipe connection

Product Structure



Pipe connection

Product Section



Pipe connection

Connection Tools



Shrinkage Belt
Suitable size under 1000mm



Electric fusion belt
Suitable size above 800mm

Pipe connection

Connection Tool



PE welding Rod

Tensioner



Welder



Electric welder

Pipe connection

Shrinkage Welding



Pipe connection

Electric Fusion Welding

