GRACE  Extrusion

PP-R/PP-B/PE-RT Pipe Extrusion Line Φ20-250

Applications

PP-R/PP-B, PP-H) pipe production line of Grace, can achieve full automatic control from material feeding to products collection. Moreover, the line can be used for PE-RT, PB pipe, which used for indoor floor heating system, through changing parts of components. Our machines are capable of producing pipe diameter up to 250mm, thickness can reach 30mm.

Technical Parameter • 38D Series High Efficient Production Line

<table>
<thead>
<tr>
<th>Production Line</th>
<th>Diameter Range(mm)</th>
<th>Extruder Type</th>
<th>Max. Capacity(kg/hr)</th>
<th>Max. Haul Off Speed(mm/min)</th>
<th>Extrusion Power(kW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GMP-43(single)</td>
<td>Φ20-63</td>
<td>SJ65/33</td>
<td>180</td>
<td>10</td>
<td>55</td>
</tr>
<tr>
<td>GMP-110(single)</td>
<td>Φ20-110</td>
<td>SJ65/33</td>
<td>180</td>
<td>10</td>
<td>55</td>
</tr>
<tr>
<td>GMP-160(single)</td>
<td>Φ50-160</td>
<td>SJ75/33</td>
<td>300</td>
<td>6</td>
<td>110</td>
</tr>
<tr>
<td>GMP-250(single)</td>
<td>Φ90-250</td>
<td>SJ75/33</td>
<td>300</td>
<td>4</td>
<td>110</td>
</tr>
</tbody>
</table>

- Water Filter
- Air Water Separator
- Danfoss Expansion Valve
- Flow meter & Pressure Control

High Efficiency Screw

Barrier Zone

Solid Channel:
Channel depth changes with plasticizing process, plasticized material overflow into liquid channel through the gap between screw dam flight and barrel.

Liquid Channel:
Melt pressure is lower, melt temperature increasing slower.

Shearing & Mixing Zone:

Shearing and Mixing Zone:
Highly mixing of residual solid scraps and melt material.