World Highest Level Performance Compact Twin Screw Extruder
“TEX25αIII” Released!!

JSW’s ‘Twin Screw Extruder series’ have been supplied more than 2,000 units and continuously supported by our customers. We introduce our newest series of ‘TEX25αIII’, the world highest class performance and compact twin design screw extruder to meet customer’s needs.

1) High performance twin screw extruder suitable for R&D
   (World top class operation torque and compact design.)
2) Easy operation
3) R&D support tool (Mixing simulation software ‘TEX-FAN’ is provided)
4) Variety of options are available

<< Basic specification >>
TEX25αIII-52.5CW-4V (L/D=52.5)

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>AD</th>
<th>DH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vent plug</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Atm vent</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vacuum vent</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vent plug</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Side feed plug</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Barrel type</td>
<td>Feed</td>
<td>Closed</td>
<td>Closed</td>
<td>Closed</td>
<td>Closed</td>
<td>Closed</td>
<td>Closed</td>
<td>Closed</td>
<td>Vent</td>
<td>Closed</td>
<td>Closed</td>
<td>Closed</td>
<td>Vent</td>
<td>Closed</td>
<td>Closed</td>
<td>Side</td>
</tr>
<tr>
<td>L/D</td>
<td>3.5</td>
<td>3.5</td>
<td>3.5</td>
<td>3.5</td>
<td>3.5</td>
<td>3.5</td>
<td>3.5</td>
<td>3.5</td>
<td>3.5</td>
<td>3.5</td>
<td>3.5</td>
<td>3.5</td>
<td>3.5</td>
<td>3.5</td>
<td>3.5</td>
<td>3.5</td>
</tr>
<tr>
<td>Vacuum vent port with nozzle</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vent insert</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vent plug</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Side feed plug</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Barrel material</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Screw material</td>
<td>LSP-2</td>
<td>(JSW original modified tool steel)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heating type</td>
<td>Water</td>
<td>Water</td>
<td>Water</td>
<td>Water</td>
<td>Water</td>
<td>Water</td>
<td>Water</td>
<td>Water</td>
<td>Water</td>
<td>Water</td>
<td>Water</td>
<td>Water</td>
<td>Water</td>
<td>Water</td>
<td>Water</td>
<td>Water</td>
</tr>
<tr>
<td>Cooling type</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature control</td>
<td>Manual</td>
<td>PD2</td>
<td>PM</td>
<td>PD2</td>
<td>PM</td>
<td>PD2</td>
<td>PM</td>
<td>PD2</td>
<td>PM</td>
<td>PD2</td>
<td>PM</td>
<td>PD2</td>
<td>PM</td>
<td>PD2</td>
<td>PM</td>
<td>PD2</td>
</tr>
</tbody>
</table>
Features

1) High performance twin screw extruder for R&D

Super high-torque, individual barrel temperature control, wear resistant screw and barrel are provided as same as "TEX-αⅢ" series.
V-belt driven motor will enable compact and space saving machine. Direct drive is available as an option.
Three (3) types of L/D, 42=12 Blocks, 52.5 = 15 Blocks and 70 = 20 Blocks are available.
Spare screw pieces and heaters will be provided.

2) Easy operation

JSW’s unique clamp barrel mechanism and cartridge heater enable you to exchange barrel easily.
(Patent : JP4192170)

3) R&D support tool

'TEX-FAN', Flow Analysis Network, will help you to analyze polymer pressure, polymer temperature, residence time, and fill factor by JSW own computer analysis software.
TEX-FAN’ can help extruder process development more efficiently.

4) Variety of accessories

JSW offer a total support system, from material feeding device to pelleting device.
Especially ‘JSW-TF series’ weighing feeders can be integrated through our original ’EXANET’ control system, which allow customers to have a total operational control.
Other JSW’s technology such as data logging also accelerate wider range of analysis.

【OPTION】

Compact weighing feeders (TTF-20, STF-15), Side feeder (TSF-25),
Side feeder with degassing function (SFD-25), Liquid injection nozzle (with plug),
Barrel cooling water unit, Vacuum pump, Liquid injection pump, Strand bath,
Strand cutter, Gear pump, Under Water Cutter + Pellet Conveying Water device,
Screen changer, Compacter, etc.
Details to discuss with JSW.

For more information ; THE JAPAN STEEL WORKS, LTD.

Sales Dept./Tokyo
Gate City Osaki West Tower 1-11-1 Osaki Shinagawa-ku, Tokyo, Japan 141-0032
Phone : +81-3-5745-2072 Fax : +81-3-5745-2077

Hiroshima Plant
6-1, Funakoshi-minami 1-chome, Aki-ku, Hiroshima-city, Japan 736-8602
Plastics Machinery Dept.
Phone : +81-82-822-5515 Fax : +81-82-824-1512

Home page address : http://www.jsw.co.jp/
Contact : info_machinery@jsw.co.jp