

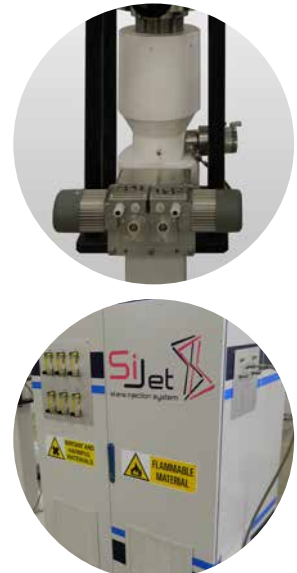


Expressly developed for Silane injection, Elav® **Si-Jet** is the ideal solution for cable insulation based on liquid silane crosslinking technology. The system is made of a highly reliable unit which offers high-level dosing accuracy and controllability. Facilitating a safe and efficient dosing, important aspects for maintaining the product consistency and quality, the **Si-Jet** system is designed to reduce the installation and commissioning time and to guarantee ease of maintainance.

The Si-Jet is provided with a double check on Silane dosing, performed by a combination of *gravimetric dosing* (i.e. load cells) and *mass flow meter*, that guarantee high accuracy and repeatability, even at very low addition rates: when an incoherent measure is detected an alarm is triggered in order to alert the operator to stop the production and avoid wasting of materials.

The control of the **Si-Jet** system is deputed to a PLC unit that can be easily interfaced to existing lines by means of Profibus/Profinet connections. Thanks to a combination of static and dynamic mixing techniques, supported by an injection system integrated into the dynamic mixer used to wet all granules regularly, **Si-Jet** system is able to *homogeneously feed solid and liquid materials directly into the extruder*. This represents a real alternative to using compounds and a way to maximize earnings **reducing the costs of raw materials**.

Si-Jet can be used to dose almost any liquid, including any cross-linking agent, since all parts in direct contact with the material are made of *stainless steel AISI 316* and *PTFE* and any potentially



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| Applications | Silane, cross linking agents, inorganic liquids, organic liquids, oils. |
| Special features | All parts in direct contact with the material are made of <i>stainless steel AISI 316</i> and <i>PTFE</i> , inert atmosphere by mean of Nitrogen. |
| Advantages | High accuracy and repeatability, double dosing check, wide range of applications, compact design. |
| Dosing accuracy | +/- 0.1 of mean value. |
| Control | By mean of PLC: it can be interfaced by mean of Profinet/Profibus connections. |
| Power supply | 230VAC – 50/60Hz (other options upon request). |
| Dimensions | Two modules "back to back" 1000Lx1400Hx400W mm, other configurations upon request. |

flammable liquid is managed in inert atmosphere (using Nitrogen).

