



For Immediate Release  
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## **Sumitomo's New SK-II Control Option Eliminates Back Flow and Controls Shot Density**

(Booths 115-119, Expoplast, Bonaventure, Montreal, Canada)... Coinciding with its Canadian debut of the SED Series, Sumitomo Plastics-Machinery introduced its new SK-II Control option—the industry's most advanced injection control.

The SK-II Control uses a specially designed screw tip assembly and control software that:

- Eliminates back flow during screw pull back
- Improves shot density control by pre-set pressure and forward screw speed, automatically compensating for any changes in resin properties
- Achieves new levels of injection fill precision (shot weight and density) and peak pressure stability

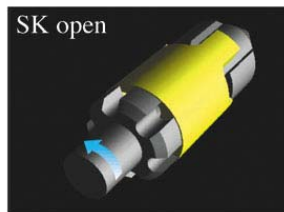
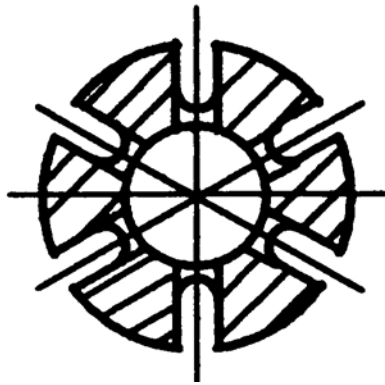
On completion of recovery, the check ring is mechanically sealed, completely shutting off material flow (or back flow). Pressure is then put on the screw prior to injection. When the pre-set pressure is reached, the machine control calculates the required density correction for the next shot to achieve the correct shot weight. The pressure and speed at which the forward motion occurs are set on the Injection Option control screen for the SK-II.

The SK-II is well-suited for a wide range of engineering resins and regrind. Applications include connectors, lenses, packaging, office automation, media and other high-precision parts.

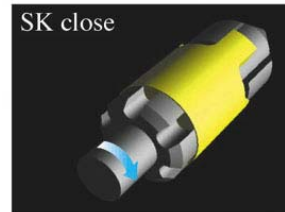
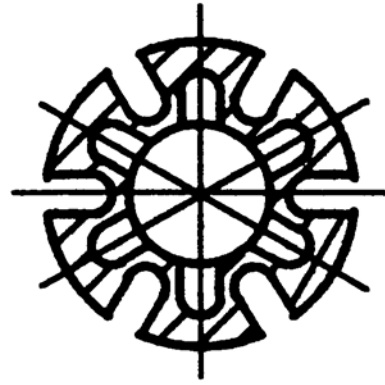
The SK-II Control Option is only available on Sumitomo SED and SES Series all-electric machines. A proprietary coating is also offered for improved durability against abrasion and corrosion.

(MORE)

[Sumitomo's New SK-II Control Option...continued]



*During plasticizing, screw rotation allows the check ring and seal to align so the channel is open for melt flow.*



*On completion of recovery, the screw counter-rotates to block the flow channel, and the channel remains blocked during screw pull back and fill.*

**[High-resolution, full-color diagrams are provided on disk in the Press Kit.]**

Sumitomo Plastics-Machinery manufactures a complete line of injection molding machines, from 18 to 650 tons, including general purpose, all-electric, hydraulic, ultra high-speed toggles and disc molding systems. Detailed information and specifications on Sumitomo's complete line of injection molding machinery is available on the company's web site at [www.sumitomoPM.com](http://www.sumitomoPM.com).

In the Atlantic Provinces, Manitoba, Ontario and Quebec, Canada, Sumitomo is represented by Plastics Machinery, Inc., PH: (905) 895-5054. Sumitomo representation for Alberta, British Columbia and Saskatchewan, Canada, is Resource Plastics, PH: (604) 454-1295.

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