of this special issue to our NPE 2012 preview.

It is also why we will be exhibiting at the show ourselves and reporting from directly the event. You can meet the AMI Magazines team on the Applied Market Information booth, 63000 in South Hall.

Full details of the exhibition including registration, travel and accommodation information, plus listings of the wide range of accompanying conferences, seminars and social events can be found at the event's website:
www.npe.org

Over the following 16 pages we preview a large number of new products that will be launched at NPE. Our focus is on developements that are relevant to the compounding industry and they are listed alphabetically by company under the following sections:

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Compounding & recycling lines

ADG Solutions, which is the exclusive North American distributor of **Davis Standard** reclaim and compounding equipment, will be demonstrating a new PLC control for the company's ram stuffer extruder at NPE. The controller increases efficiency and productivity for the recyclers of low bulk density polymer scrap such as films, fibres and thermoformed sheet.

Bulk density variations in light feedstocks can exceed 20%, causing substantial reductions in extruder throughput. The new PLC control automatically adjusts the timing of the reciprocating ram which stuffs material into the screw. Changes are made in accordance with variations in extrusion drive amperage caused by changes in material bulk density. Since the ram cycle governs the rate at which material is fed into the extruder, the controller ensures that production will continue at the maximum level without the need for operator intervention.

Booth: 4855
www.adgs.net

Apex Engineering's modular compounding lines save time and money

Apex Engineering builds modular compounding lines based around equipment that can be chosen by the customer. It integrates the selected extruder, feeders, pelletizer and control system. The company says that the lines can be compounding material within 15-20 days of delivery to the site. It adds that they resemble a normal process line, rather than "a boxy sea crate frame", and can be integrated into a traditional factory or warehouse type building.

State-of-the-art control software is included, specifically tailored for the plant interfaces. Allen Bradley control platforms are used unless the customer has an alternative preference. A compounding control center (CCC) accompanies the process module and wiring is minimized using ethernet, remote I/O and intelligent MCC.

Apex says that its approach means that project schedules are simplified and shortened by 25-30% with off-site construction resulting in a comparable reduction in project costs. The finished module can be easily disconnected and shipped anywhere in the world.

Booth: 61006
www.apex-engineering.com

B&P Process Equipment will be demonstrating its innovative Trivolution tri-kneader technology for the first time at a major exhibition. The company has built an interactive display model so that visitors can see the inner workings of the ground-breaking reciprocating kneader.

The model consists of a three-zone process barrel with the middle zone open to expose a clear process section that provides a view into the heart of the process. The interaction between stationary pins in the barrel wall and the flights that rise from the rotating and reciprocating screw shaft will clearly demonstrate the folding, orientation, compression, shearing and decompression stages offered by this technology.

The feed and discharge ends of the display model will include touch-screen interfaces where visitors will