

## NPE2018 Technology Showcase

NPE is an event where — to put it mildly — companies want to make a big splash with new products and technologies. And they never seem to disappoint. From auxiliary equipment to processing machines to mold technologies to new materials and more, NPE2018 is shaping up to be cutting-edge enough to bleed. Here's a look at just some of what you'll see at the big reveal in Orlando.

### AUXILIARY EQUIPMENT

#### Expanded range of gravimetric blenders

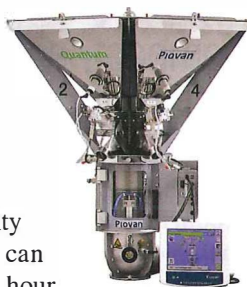
**Piovan** (Booth W1923) has expanded its *Quantum* gravimetric batch blender range by introducing two new models: the Q50 and Q80.

The Q50 has a maximum capacity of 550 kg per hour, and the Q80 can achieve a capacity of 800 kg per hour. Both permit greater flexibility in use and high precision even at small capacities. While the Q50 allows the operator to manually remove the dosing stations and switch them, the very weight and size of the stations prevent this on the Q80, which belongs in the category of essentially "central" blenders.

With these two additions, the Quantum range now consists of four models. The smallest Quantum blender, the Q7, has a capacity ranging from one to 70 kg per hour, while the Q12 (pictured) has a capacity of 150 kg per hour. These two models can also be used for very low capacities since they maintain a very high level of precision at 10 or 20 kg per hour.

Each of the four models comes with up to six dosing stations, which can easily be removed for emptying or cleaning. Each dosing station is dedicated to a single ingredient, either principal or additive; easy removal therefore aids material changes and enables optimal operating conditions to be immediately resumed without contamination from powder or residue. And all four blenders can integrate with WinFactory, Piovan's industrial supervisory software.

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### INJECTION MOLDING

#### Arburg's largest machine ever

**Arburg Inc.** (Booth W1325) is launching its largest machine ever and the first of a brand new design with a sophisticated new control. The *Allrounder 1120H* has a 650

tonne clamp (30 per cent larger than any previous Arburg machine) with 1,120 mm tiebar spacing (20 per cent larger than other Allrounders) and 1,050 mm stroke. The dry cycle time is 2.4 seconds.

This hybrid press has an electric toggle clamp powered by twin servos, plus servo-hydraulic injection with a gas accumulator. Electric ejection is standard, with hydraulic optional. The sleek new design encloses all-electric, hydraulic, pneumatic, lubrication, and temperature control systems within the machine frame. Safety gates and injection unit run on linear guides, and integrated fold-out steps provide access to the mold area.

Its new Gestic controller has a pivoting and height-adjustable operator panel, with a smooth glass front that resembles a tablet computer and accepts multitouch/gesture commands. The 15.6-inch, full-HD screen has a new EASYslider element that allows fingertip dynamic control

