



2014 PAC Winner

G. Clinton Shay

Mr. Shay, now retired from Corning Inc., has been awarded this prestigious award for his significant contributions to the glass industry in the field of glass forming.

Clint is the technology champion of the revolutionary Fusion (also known as Overflow Downdraw) sheet forming process. He led Corning's Fusion effort from its inception in 1958. Clint was co-inventor of basic Fusion patent.

Clint led the team which developed and advanced Fusion to manufacture a variety of specialty glass products including chemical strengthened (Chemcor®), borosilicate Pyrex®, ophthalmic, and specialty electronic glasses. After his retirement in 1986, Clint continued to champion and invent -and at 92 years old- remains central to advancing fusion's capability.

The Fusion process resulted from Corning's research to develop revolutionary sheet glass forming during a time when Pilkington was concurrently developing the Float process. In time, Fusion's strength in making very thin, pristine, hard glasses with low warp led to its acceptance for LCD displays for handheld electronic devices, mobile phones, laptop and computer monitors.

However it was in the 1990's when the technology came in to its own with the emergence of the LCD TV. Currently, the majority of the world's LCD displays – from hand held devices through large screen TV's are made by the Fusion sheet forming process, either by Corning Inc or other competitors. Fusion also makes Gorilla[®] Glass – protective cover glass for hand held electronics; for ultra-thin flexible spooled glasses for emerging web-based processing applications; and for various products for touch, and next generation displays.