

## StaMixCo Static Mixer Products

### Injection Moulding Mixing Nozzle SMN for Homogenising Polymer Melts



The Injection Moulding Mixing Nozzle SMN homogenises the polymer melt during the injection process just upstream of the mould. Benefits realized include:

- Reduced colorant usage and costs with comparable part color density.
- Improved admixing of regrind material.
- Reduced reject rates.
- Expanded operating range of older machines.
- Quick payback to Mixing Nozzle investment costs.

### Extrusion Melt Blender SMB for Homogenising Polymer Melts



Type SMB-S -R -GXS -H

The Melt Blender SMB homogenises the polymer melt just upstream of the die. Benefits realized include:

- Reduced colorant usage and costs with comparable extrudate color density.
- Improved admixing of regrind material.
- Uniform melt flow in the die/tool.  
→ reducing time needed for adjusting the tool.
- Reduced reject material during plant start-up.
- Stabilises the entire extrusion process.

### Static Mixing Elements GXR for Mixing Adhesives, Silicones and Viscous Fluids



The Mixing Elements GXR are ideally suited for the mixing/dispersing of viscous fluids such as:

- High viscosity 2-component resin systems such as adhesives, polysulfide, silicone and epoxy resins
- Mixing Polyol with gas, liquid blowing agent and isocyanates
- Mixing liquid silicone resins (LSR) in injection moulding

Fouled mixing elements requiring cleaning can be safely pressed out of the housing without damage by pushing on the ring

### Static Mixing Elements GX for Mixing/Dispensing Viscous Fluids in Laminar Flow



The Static Mixer GX has been successfully used in laminar flow applications for more than 25 years.

- Mixing of high-viscosity melts and liquids
- Mixing of liquids having large differences in viscosity
- Mixing of liquids having large differences in volumetric ratio
- Performing chemical reactions under plug-flow conditions

### Plastic Disposable Static Mixers with X-Grid Structure

GXP Mixing Elements



GXR-P Mixing Elements



GXF Mixer



For very difficult 2-component viscous resin system mixing and dispersing applications processing adhesives, varnishes, urethanes, sealants, liquid silicone rubber (LSR), etc.

- Elements based on GX geometry have high mixing performance in a short length and small mixer volume
- Mixing elements made of plastic are available in polypropylene. For high pressure drop applications, the types GXP and GXR-P are also available in 50% glass filled Nylon (PA66) construction (black colour parts).
- Type GXF is available as a complete disposable mixer inside a polypropylene tube with bell connection.
- All mixing elements made of plastic can be installed directly into steel pipe/tubing (e.g. for high pressure applications). All mixing elements made of plastics, depending on their size, can be installed directly into steel pipes (e.g. for high pressure applications).

For more details regarding the above described products, please ask for the corresponding brochure. On request, they can be mailed to you, e-mailed or down-loaded from our internet web site [www.stamixco.com](http://www.stamixco.com).

**For contact addresses see reverse side.**

# StaMixCo Distributors

StaMixCo Mixer Products represented by the distributor:

1 = SMN Mixing Nozzles  
3 = Other Static Mixer Designs

2 = SMB Melt Blenders

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