



MELTSTAR II

**SUPERIOR MIXING PROPERTIES.
WITHOUT THE SHEAR.**

**WITHOUT MATERIAL SEPARATION.
WITHOUT SACRIFICING
RECOVERY
OR CYCLE TIME.**

If you're processing Rigid Polyvinyl Chloride (RPVC), Polycarbonate (PC), Acrylonitrile-Butadiene-Styrene (ABS), or any shear-sensitive materials, you know the problems.

With gentle mixing sections, the material doesn't mix. With aggressive mixing sections, your material may shear and burn. Shear and restriction from a mixing section hurts recovery, which hurts productivity and profitability.

The MELTSTAR II feedscrew now provides the mixing you need – without the shear – with no sacrifice to either recovery time or cycle time.

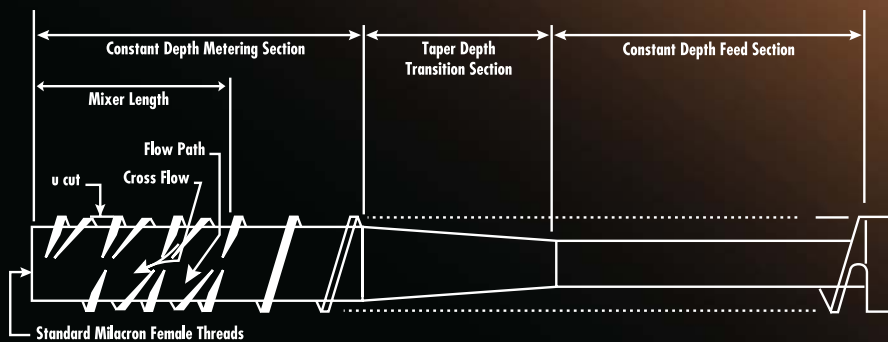
MELTSTAR II is the proven performance feedscrew for all these applications.

Many mixing screws are designed for "dispersive" mixing, in which the size of the ultimate particles is reduced and the particle positions are randomized. This exposes the particles to unusually high shear stresses in order to break them down.

To eliminate high shear and stress the MELTSTAR II creates "distributive" mixing, achieving a true "homogeneous" blend of the polymer – with uniformity in temperature and material – but without adding excessive work or shear.

The MELTSTAR II mixing feedscrew incorporates a moderate shear mixing device to split the melt flow into several streams, passing through parallel channels. This flow causes a "kneading" effect on the melt pool as it splits and recombines. The spiral grooves in the mixing device enhance the forward flow of material.

This distributive action of the MELTSTAR II feedscrew provides ultimate mixing capabilities using either virgin and/or precolored resin. By providing a homogeneous melt without the problems typically associated with mixing shear-sensitive polymers, the MELTSTAR II substantially improves your recovery, productivity and profitability.



**CALL TOLL FREE
TO STRENGTHEN
YOUR PRODUCTIVITY
1-888-439-2491**



SERVTEK



We're there for you.

Wherever you are.

Whatever you do.

Wherever you go.

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