



**Molders Services Inc.**

MSI is a domestic manufacturer of injection end components: screw tips, nozzles, barrels, screws, end caps and shut off nozzles.

**30 Years of Experience**

At MSI we combine 30 years of in plant diagnostics and troubleshooting in the plastics industry with 30 years of part manufacturing and design experience. The result is components which solve molding problems.

# Poppet Nozzle

For Milacron  
PowerPAK



- **Eliminates fatigue failure**
- **Maintains trusted poppet design**

**Call Us Today:  
248.585.8120**

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Pontiac, MI 48340

[www.moldersservices.com](http://www.moldersservices.com)



Molders Services Inc. (MSI) has been designing and manufacturing for the injection molding industry for over 30 years. Whether you have a difficult problem which requires a specialty design or are looking for a long lasting replacement tip available to ship same day, MSI can address your needs and will guarantee the results.

Anyone who has experience with Milacron's PowerPAK line of machines that feature the extruder / plunger setup knows the extruder requires a unique poppet style nozzle that allows it to mate with the plunger barrel. MSI has offered this component for years for substantially less than OEM prices.

Milacron recently redesigned the nozzle to avoid a rash of fatigue failures. Unfortunately, this revised design resulted in an insert-style product reminiscent of the old ball checks sold in the 80s. Aside from multiple leak paths, this poppet has a tiny forward-facing cross section that hampers reliable positive shut-off.

MSI analyzed the failures in the original and subsequent Milacron designs and came up with a superior redesign for this component. Our MSI-manufactured nozzle eliminates the fatigue failure while maintaining the trusted original design.

So if you have a PowerPAK machine and are buying poppet nozzles from Milacron, you are spending more than necessary. MSI has a superior option that costs less!

Call us at (248) 585-8120 for pricing and lead time.

## **Molders Services can help you maximize your productivity!**

At Molders Services we are experts in the identification of problems related to injection end components. We will come to your facility at no charge to identify any problems and guarantee the results. We will also work with you on a preventative/predictive maintenance program.

- **In-plant consultation and inspections**
- **Quick lead times**
- **Emergency repairs**

