

**mastip**<sup>™</sup>  
hot runner solutions

Your partner in  
hot runner solutions



**New Products  
Expanded Nozzle Range**



Manifold System Solutions

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Valve Gate Technology

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Extensive Nozzle Range

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Complete Controller Solutions

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# Next Generation Leak Proof Solutions

with the latest thermal technology



## Nexus™ Pre-Wired and Pre-Assembled Systems

Nexus™ Pre-Wired Systems are delivered as a complete turn-key solution for quick and simple installation. Nexus™ Systems incorporate the advanced leak protection of FlowLoc™ Threaded Nozzle Technology and Cylix™ Cylinders for valve gate actuation.

With the ability to process both commodity and abrasive engineering grade polymers, Nexus™ Systems are ideal for small to medium automotive, medium to large appliance and large part electrical applications. Nexus™ Systems are fully customisable to suit your specific application requirements.



## Precision Valve Gates with Cap Insulator

Mastip's Open Valve Tip range has been extended and redesigned to accommodate insulator caps while providing precise valve pin guidance to reduce wear and tear at the gate.

Redesigned to enable cap insulators to clip-on, the open valve tips in G1 and G5 range will have an identifiable groove at the tip end to retain the cap.



For more information visit our website

# High Cavity Manifold Systems

Fully Assembled & Expertly Tested Hot Half Systems By Mastip



## Manifold System Solutions

Mastip's expert teams can design and manufacture high cavity single or multi-level systems, with thermal or valve gates.

Our systems are designed and manufactured to the highest level of quality, delivering a uniform melt to each nozzle, ensuring cavity-to-cavity consistency.

This is achieved through natural balancing of the flow channels and ensuring constant temperature profiles are maintained across the manifold block. Mastip can provide you with a Manifold system to meet your requirements in standard high quality mould base steel or stainless steel plates.

**mastip**<sup>TM</sup>  
hot runner solutions

*We make things better*



# Single Valve Gate Technology

Compact, Precise, VeriShot™

The compact design of the VeriShot™ single valve gate system greatly reduces mould height requirements and functions as a locating ring ensuring perfect alignment between mould and machine platen.

The VeriShot™ features advanced heating technology for optimum control, providing exceptional thermal performance for improved part quality. The VeriShot™ is ideal for applications requiring a highly cosmetic gate finish, fast flow rates, large volume parts and dimensional accuracy.



## Temperature Controllers

Meticom Series



Meticom: TC5100, TC5200 and TC5H

Mastip's METICOM TC5100, TC5200 and TC5H, Temperature controllers are CE approved, high quality, reliable control systems that are flexible, easy to set up and simple to operate.

Designed for quick installation and able to deliver consistently under demanding conditions, the METICOM control system provides accurate control of your Hot Runner System temperature. Easy-to-use navigation with colour touch screens and module memory settings (internal and external USB drive) that allows injection moulders to conveniently save settings for quick tool changes.

# Expanded Nozzles Range

## BX, SX and TX



### SX Nozzle

The SX nozzle is a dedicated single nozzle solution giving outstanding performance for all single nozzle applications. Utilising two independently controlled heater zones achieves uniform temperature distribution along the length of the nozzle, making it the ideal nozzle to process demanding engineering and temperature sensitive resins. Available now in H13 or 420 Steel.

<b>13 Series</b>	45	55	65	75	85	95	105	115	130	145	160	175	200	225						
<b>16 Series</b>	45	55	65	75	85	95	105	115	130	145	160	175	200	225	250					
<b>19 Series</b>	45	55	65	75	85	95	105	115	130	145	160	175	200	225	250	275	300			
<b>27 Series</b>	-	-	-	75	85	95	105	115	130	145	160	175	200	225	250	275	300	350	400	450

### BX Nozzle

The BX nozzle is a general purpose solution for low to medium cavitation applications not requiring hot half construction. The BX nozzle provides the same moulding performance as the MX nozzle, just in a rear loading configuration. It is a versatile product suitable for a wide range of applications, which delivers excellent performance under demanding moulding conditions. Available now in H13 or 420 Steel.



<b>13 Series</b>	45	55	65	75	85	95	105	115	130	145	160	175	200	225						
<b>16 Series</b>	45	55	65	75	85	95	105	115	130	145	160	175	200	225	250					
<b>19 Series</b>	45	55	65	75	85	95	105	115	130	145	160	175	200	225	250	275	300			
<b>27 Series</b>	-	-	-	75	85	95	105	115	130	145	160	175	200	225	250	275	300	350	400	450



### TX Nozzle - FlowLoc

The FlowLoc™ Technology Nozzle Range is designed to provide a secure, leak-proof solution for multi-cavity manifold systems. Incorporating advanced heating technology with embedded heaters for exceptional thermal performance. It is suitable for a wide range of applications including small to medium automotive, medium to large appliances, large packaging and large part electrical. Available in 420 Steel.

<b>16 Series</b>	75	85	95	105	115	130	145	160	175	200	225	250								
<b>19 Series</b>	75	85	95	105	115	130	145	160	175	200	225	250	275	300						
<b>27 Series</b>	75	85	95	105	115	130	145	160	175	200	225	250	275	300	350	400	450			

## Mastip is a leading supplier of innovative hot runner solutions to the global plastic injection moulding industry.

The company believes foremost in providing service and support, throughout the life cycle of the hot runner. This means you can be confident that spares and technical support is always available.

At Mastip we strive to understand our customers exact moulding requirements in order to deliver reliable and high performing solutions. Every Mastip system provides faster cycle times and material savings while producing quality components, all leading to higher efficiencies and a better return on investment.

### Market Solutions



#### Automotive

Mastip's extensive experience in highly cosmetic and structural parts means we can deliver a customised solution which will provide long-term reliability and performance.



#### Electrical

Mastip's comprehensive range of nozzles and valve gate solutions are able to withstand the corrosive and abrasive nature of Engineering polymers used for the electrical market.



#### Packaging

Mastip's valve gate solutions are ideal for the packaging market, delivering both the reliability and performance needed for fast-cycle thin-wall through to long-cycle thick-wall applications.



#### Caps and Closures

Mastip's high cavity hot half solutions, in either thermal or valve gate configuration, allow for maximum productivity while ensuring part quality is maintained even at fast-cycle times.



#### Engineering

Mastip's technical expertise and long-life components provide durable hot runner solutions manufactured from high-grade materials to withstand abrasive polymers.

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