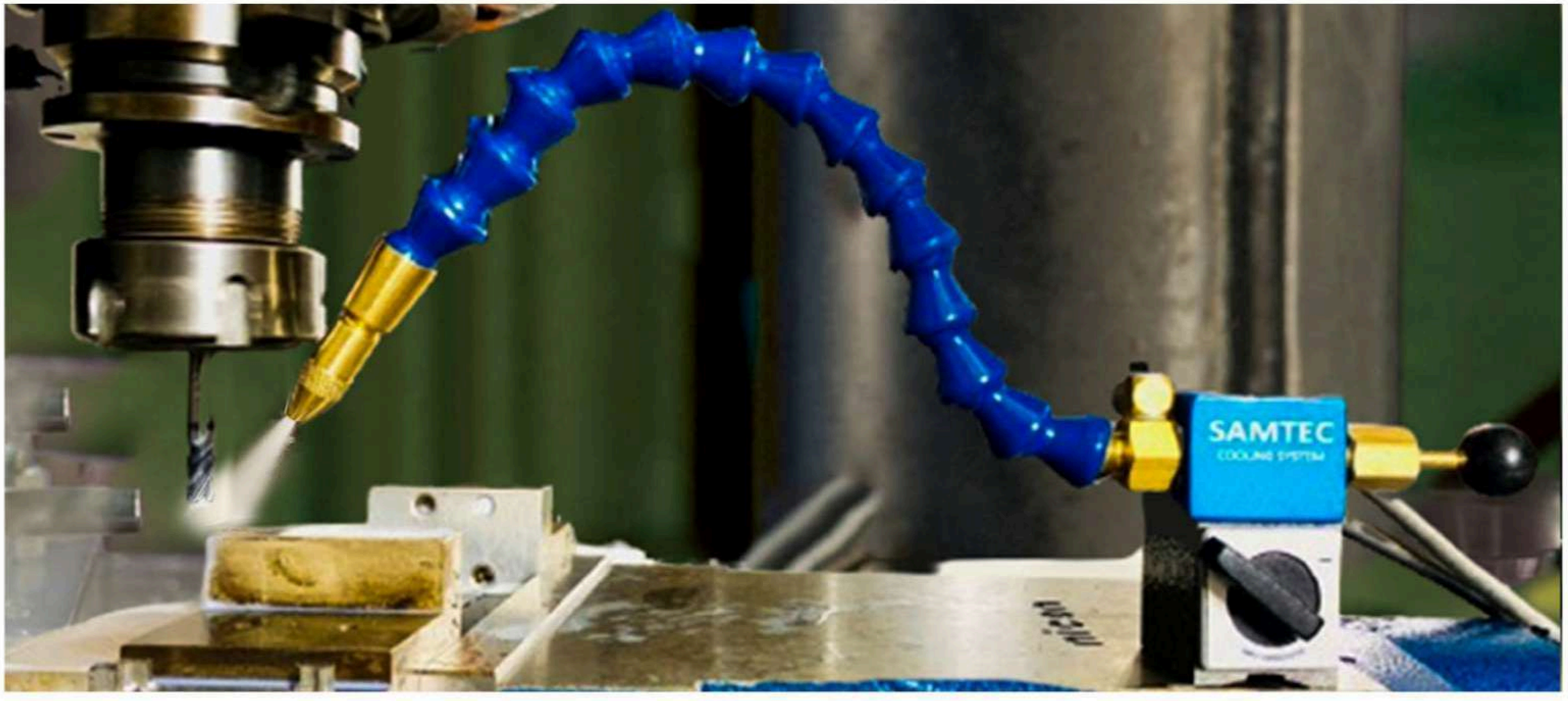
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Samtec Mist Coolant



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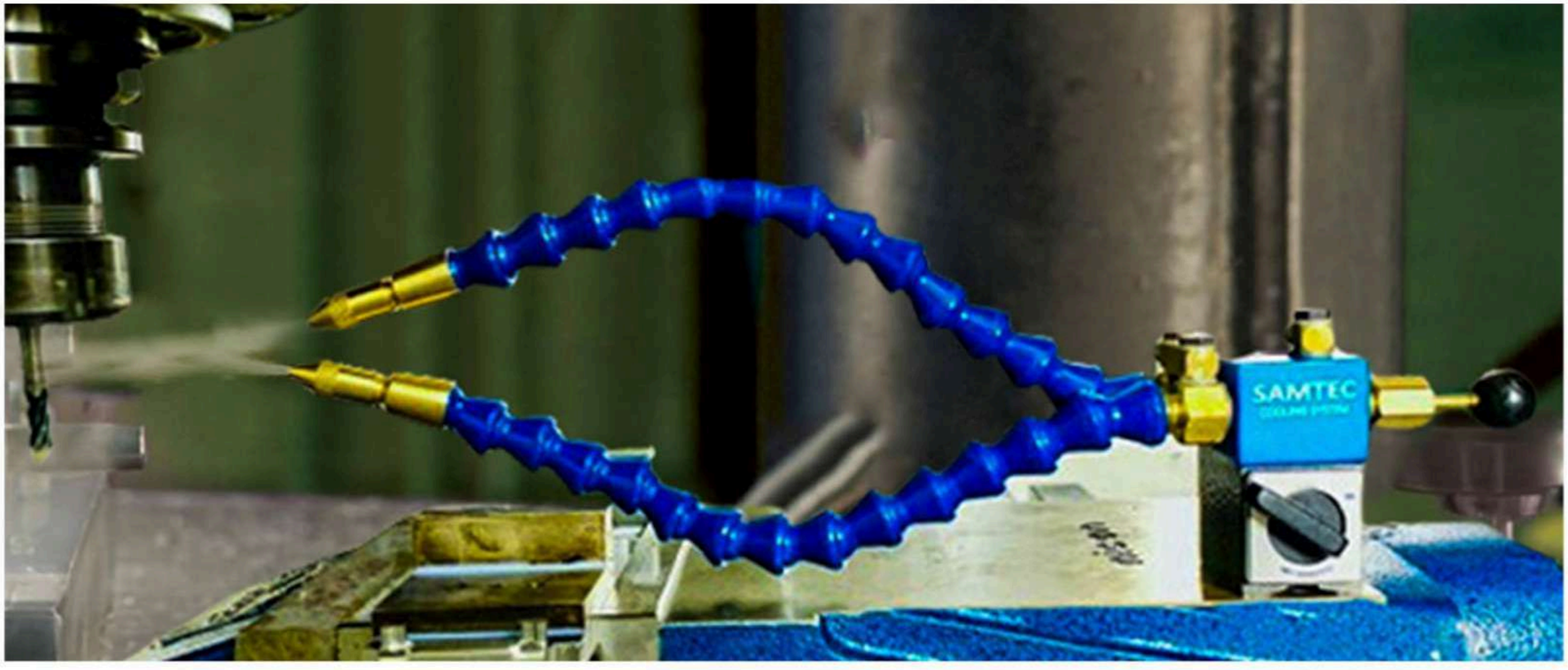
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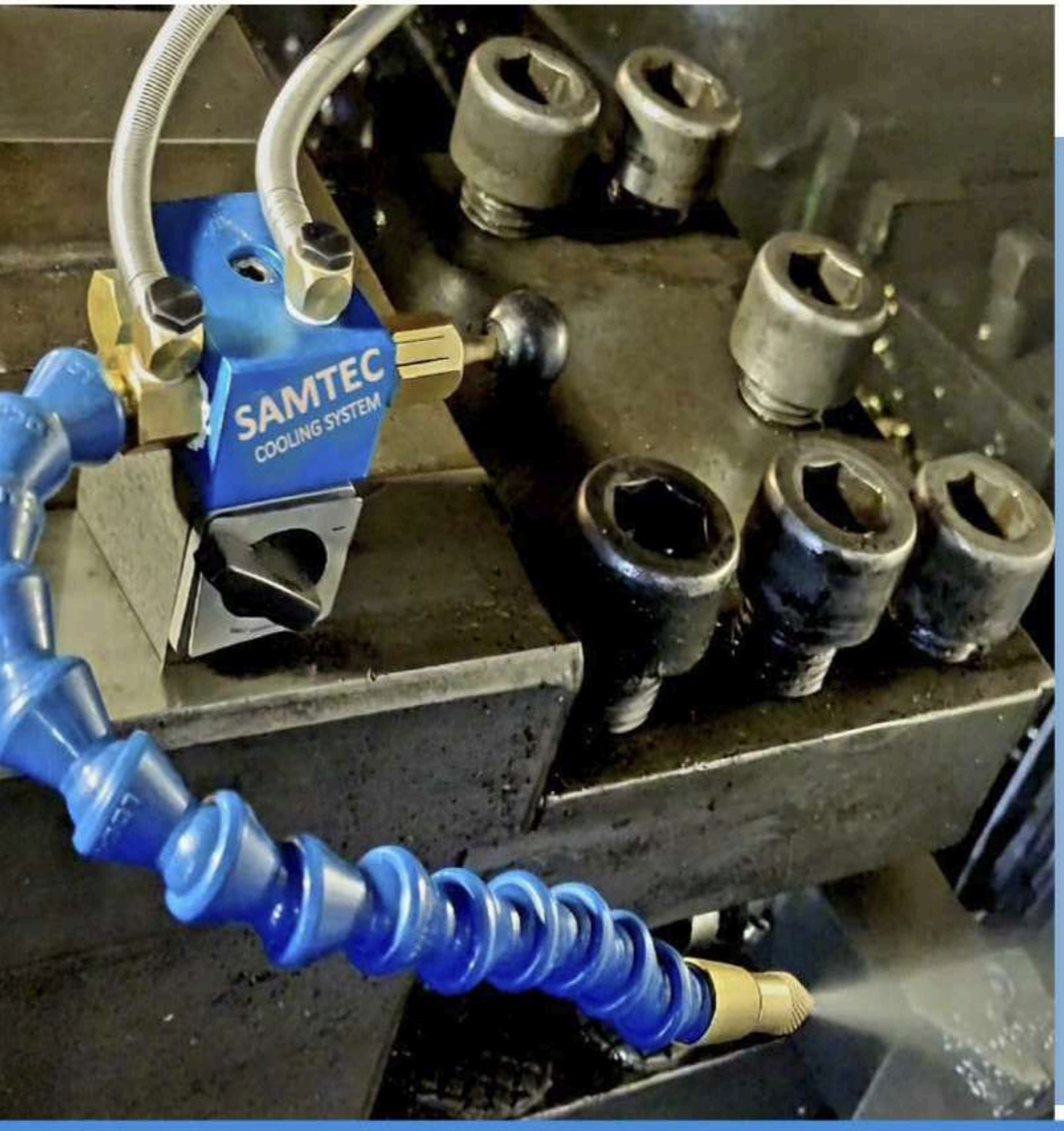
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Cooling Systems Cutting Fluid Applicator



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Samtec Mist Coolant System

The Samtec Mist Coolant system utilizes the VENTURI effect to spray an air & liquid mixture. This system allows users to control both the airflow rate & liquid rate easily.

Users can easily adjust both the air flow rate & the liquid rate to suit their specific cooling needs.

Both the stainless steel armoured provided in a standard length of 2 meters,

The spray unit is available in three standard lengths

- 264 mm
- 334 mm
- 479 mm

Special lengths can be requested to accommdate unique requirements.

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Samtec Mist Coolant Guidelines

- Uses the Venturi effect to spray an air & liquid mixture.
- Basic parts include
  - Stainless steel armoured coolant hose (2 meters standard length, special lengths upon request).
  - Air hose (2 meters standard length, special lengths upon request).
  - Spray unit (available in 264, 334, & 479 mm standard lengths, special lengths upon request).
  - Easily controls both air flow rate and liquid rate.
- Pressurized air flows through a Loc-Line flexible hose to a special nozzle.
- Nozzle creates a mixture of cold air and fine coolant spray.
- Nozzle is adjustable to control the liquid spray amount.
- Hose assembly sits on a valve with two inlets (one for air and one for coolant).
- Air passes through a shut-off valve with an adjustment feature to regulate air flow.
- Valve is connected to a 'Popeye' magnet for stability.



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Advantages Of The Samtec Mist Coolant System

- Temperature Reduction: Lowers temperature by 40-45% on VTL machines.
- Flexible Coolant Hose: Adjustable hose for precise cooling.
- Nozzle Nut Adjustment: Modified nozzle nut for longer life.
- Extended Tool Life: Boosts tool life by 10-12%
- Improved Coolant/Oil Suction: Better suction for smooth flow
- New Filter System: Reduces choke-up issues.
- Fixed Nozzle Nut Setting: Saves time on pressure adjustments.
- Efficient Air & Coolant Mix: Consistent stream of cold air & coolant.
- Uses the venturi effect to spray an air & liquid mixture.
- Easily controls both air flow rate & liquid rate.

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Benefits Of The Samtec Mist Coolant System

- **Increased Productivity**
  Prevents overheating for efficient operation.

- **Cost Savings**
  Reduced tool replacement and maintenance costs.

- **Precision Cooling**
  Adaptable hose & nozzle for accurate cooling.

- **Continuous Operation**
  Improved suction & filtration for uninterrupted flow.

- **Optimized Performance**
  Consistent cooling enhances machine performance.

- **Durability**
  Long-lasting components.

- **User-Friendly**
  Easy adjustments & stable valve assembly.

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