CORECOOL — Advantages
• High velocity/high pressure pump delivers precise controlled cooling.
• Open loop system eliminates costly/high maintenance filtering and chilling system.
• Portable with small dimensional footprint.
• Electrical controls built to customer specifications.
• Engineering and technical support.
• USA made product.
• All components stocked at DPCS for quick replacement turnaround.

CORECOOL — Solves These Difficult Casting Issues
• Soldering — Quick solidification of material does not allow chemical reaction with metal.
• Shrink Porosity — High velocity cooling allows control of core pin temperature up to tip in order to more closely match cooling times of surrounding alloy.
• Increased Core Life — Helps prevent degradation of the pin microstructure from being exposed to extreme temperatures of molten metals.
• Improved Mechanical Characteristics — Controlled cooling results in a tighter molecular structure thus reducing casting leaks and increasing tensile/yield strengths.
FEATURES:
- Dimensions: 3’ length X 2’ wide X 3’ height – portable cart
- Up to 5 GPM at 500 PSI
- 120 volt triplex style or air pump style
- Allen Bradley controls
- Stainless steel fittings and valves
- Can supply up to 20 core pins (Depending on needle size and length of core)
- Only needs 1 signal from a diecast machine
- Needs factory air and water
- Comes with 20' SS line set and manifold for machine mounting
- 10 micron water filter

3.1 MACHINE OPTIONS
- Dirty water filter monitoring
- Broken core detection monitoring
- Individual core flow monitoring
- Multiple zones – up to 3
- UL and CSA certification
- Build controls to your company specifications
3.0 CORECOOL

**FEATURES:**
- Dimensions: 52" length X 24" wide X 36" height – portable cart
- 8 GPM to 20 GPM units up to 500 PSI
- 480 or 577 volt 3 phase triplex pump systems
- Allen Bradley controls
- Stainless steel fittings and valves
- Can supply up to 60 core pins (Depending on needle size and length of core)
- Only needs 1 signal from a diecast machine
- Needs factory air and water
- Comes with 20' SS line set and manifold for machine mounting
- 10 micron water filter

**3.0 MACHINE OPTIONS**
- Dirty water filter monitoring
- Broken core detection monitoring
- Individual core flow monitoring
- Multiple zones – up to 3
- UL and CSA certification
- Build controls to your company specifications

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**Core Stability & Solder Control**

**Before Core Cool**

**After Core Cool**
2.0 COREJET

FEATURES:
- Dimensions: 18" length X 10" deep hand held unit
- 1/2 GPM water at 300 PSI
- 120 volt plus factory and air water
- Touch screen HMI controls
- Maximum of 2 core pins

CORECOOL Basic System

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