

## RocTool launches new Performance Cooling units

RocTool, the technology and manufacturing solutions provider, enriches its range and launches new RocTool Performance Cooling (RPC) units! They are used to complement its induction heating process for plastic injection and composites processes. *“RocTool Systems & Engineering teams have developed a wide range of new performance cooling units to meet the manufacturers’ growing demand in our Heat & Cool technologies in production globally”* says Jean-François Martinez, RocTool’s Manager for Systems and Peripherals.

The heat & cool technology leader now offers a wide range of equipment designed to deliver high performance cooling, mainly for RocTool technology users and the new C-series has been designed specifically for RocTool processes. Dedicated to both plastic injection and composites processes, the units are easily controlled by RocTool’s tactile interface.

### Cycle times reduced for plastic injection

One of the main objectives for RocTool teams working on RPC units is **to optimize cycle times to increase equipment productivity.**

With the C2V for instance, each RocTool technology user for plastic injection can improve its cooling time by reducing the flow to a laminar state during heating, while accelerating the flow to a turbulent state during cooling.

*“It is a great cycle time improvement and an extra cooling control capability. It’s a real technological breakthrough that enables our users to have better control over the temperature changes and save valuable production time!”* explains Jean-Francois Martinez.

Besides, the T9 is a compact thermoregulation unit offering a greater cooling power at 140kW when standard equipment does not exceed 40kW, as well as high pressure and controlled flow rates.

### ....For Composites as well!

Especially designed for RocTool composite processing, the C-series has been developed to **improve the complete cycle time by purging the water from the mold in order to reduce the heating time and managing the water flow during the cooling time.** *“Our C2V unit is used with a water pressure network higher than 3 bar at 100 l/mn, when our C6, C12 and C24 units are used with a water pressure network at 3 bar maximum, the flowrate depending on the model chosen. During the purging sequence, water mixed with compressed air is sent back to a tank to prevent any turbulence in the water network”* adds Jean-Francois Martinez.

**About RocTool:** Created in 2000, RocTool is a Technology & Manufacturing solutions provider offering Engineering services and systems. RocTool induction process is fully adapted for plastic injection and composite processing, including multiple configurations to fit with tier manufacturers requirements. RocTool’s Research and Development team is adapting the technologies to more materials including metal. As a Heat and Cool technology leader, RocTool now offers High Definition Plastics™ capabilities to plastic molders and Light Induction Tooling™ to composite part suppliers. The processes developed by RocTool are used in production by major brands in innovative industries such as automotive, aerospace, consumer products & electronics. They hold many advantages including reduced cycle times, surface quality, light-weighting and performance, therefore resulting in an overall cost reduction of the produced parts for manufacturers.

RocTool is listed NYSE Paris stock market. Its headquarters and R&D center is situated at Le Bourget du Lac (France). RocTool also has offices and platforms in North America, Japan, Taiwan and Germany.

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

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