# COMPLETE OFFER
## TO ADOPT THE TECHNOLOGY

1

### INITIAL FEEDBACK
- Material review (database or trials)
- Power requirement estimation
- Preliminary budget envelope

2

### FEASIBILITY STUDY
- Review of client objectives
- Heat & Cool integration layout
- Cycle time definition

3

### ENGINEERING SIMULATION
- Flow analysis
- Thermal analysis
- CAD (Computer-Aided Design) and BOM (Bill of Materials)

4

### SYSTEMS
- Roctool hardware integration
- Interface with injection molding machine (IMM)
- Heat & Cool equipment

5

### PROCESS INSTALLATION
- Installation of tooling hardware in the mold
- Process start-up and optimization

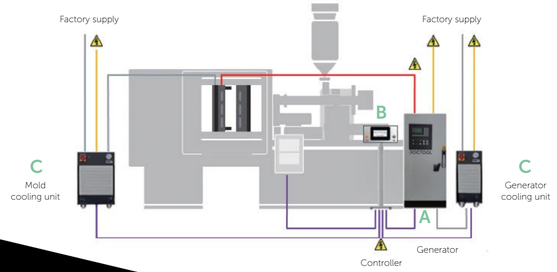
# INDUCTION
## HEAT & COOL SYSTEMS

**EASY TO INSTALL**
Plug & Play

**COMPACT**
Optimized footprint

**POWERFUL**
Best output in the industry

**EFFICIENT**
Lowest energy consumption




A

### GENERATOR
Induction heating systems provide power to the mold
Ranging from 25 kW to 300 kW
Available as single or dual outputs




B

### CONTROLLER
Interface between press and generator
Enables precise process monitoring


C

### PERFORMANCE COOLING UNITS
Designed for molds and Roctool equipment

# INDUSTRIES

**AEROSPACE & DEFENSE**

**BEAUTY**

**ELECTRONICS**

**AUTOMOTIVE**

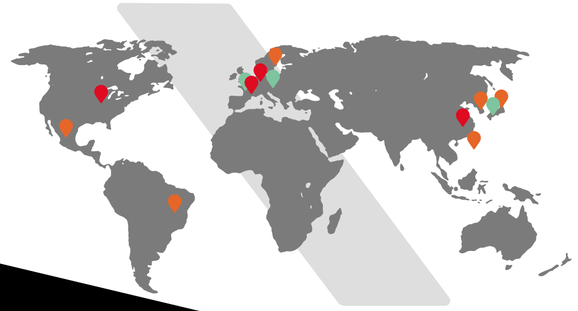
**SPORT & LEISURE**

**MEDICAL**

**CONSUMER PRODUCTS**

**ENERGY**

# WORLDWIDE
A global footprint with local expertise:
**Offices. Tech centers. Global agent network.**



# CONTACT

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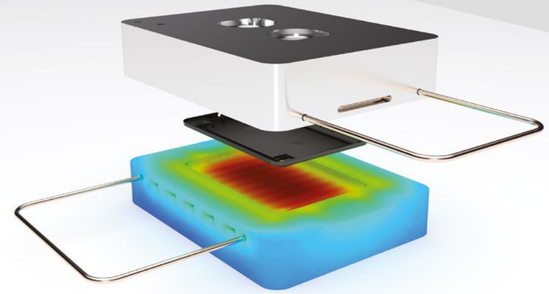
# ROCTOOL TECHNOLOGY
## LEADING HEAT & COOL TECHNOLOGY FOR INJECTION AND COMPRESSION MOLDING



### FAST \ CLEAN \ EFFICIENT \
Roctool's rapid induction heating delivers ultra-fast cycle times with perfect surface quality, no paint or secondary operations needed. Enables lightweight designs and is compatible with advanced engineering resins for high-temperature applications.

ROCTOOL
MOLDING MATTERS.

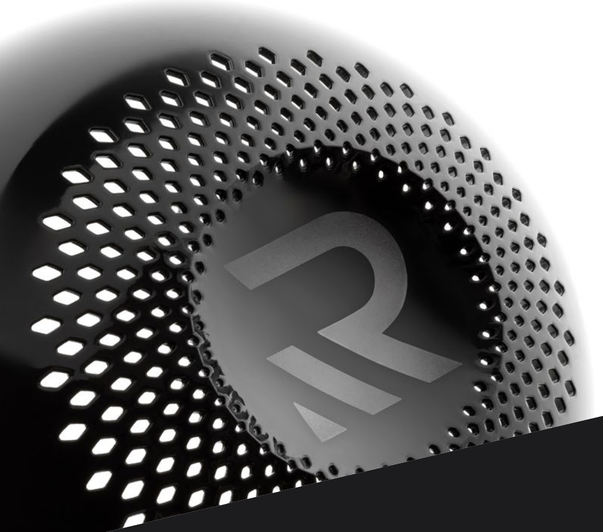
# TECHNOLOGY ADVANTAGES

## APPLICATION

- **No weld lines**
- **No paint or secondary operations**
- **Thin wall & lightweight**
- **Perfect mold replication**
  **High gloss & Low gloss**

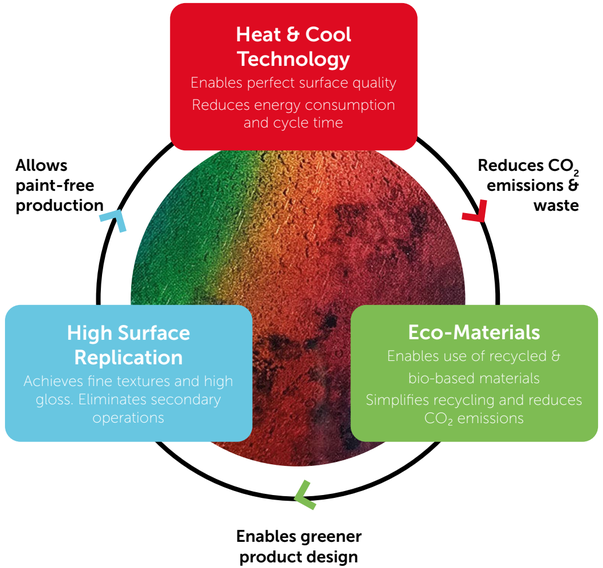
## PROCESS

- **Low energy consumption**
- **Precise temperature control**
- **High temperature molding**
- **Shorter cycle time**
  **Fast heating & cooling**



# ECO-MOLDING™

Founded on three interconnected pillars that work together to deliver high-quality molded parts with a reduced environmental impact, enhancing both performance and sustainability.




# COMPRESSION MOLDING

Advanced compression molding for high performance composites

### 3iTech® - Integrated Internal Induction Technology

- Heat & Cool network integrated in the mold
- High temperature

### R-IDS™ - Induction Dynamic Saver

- Heated platens
- Heat & Cool inside the platens
- Compatible molding inserts: steel, aluminium, nickel alloy

### LIT™ - Light Induction Tooling

- OOA: Out of Autoclave process
- Thin shell mold
- Optional silicone membrane

# PLASTIC INJECTION

Enlarge your processing window when using Roctool Technology

### 3iTech® - Integrated Internal Induction Technology

- Heat & Cool network integrated in the mold
- High temperature
- Compatible with all steels

### USR™ - Ultra Surface Replication

- High replication rate directly from mold to part surface
- Replication levels reach uncharted territories, such as micrometer and nanometer scales

### HD Plastics™ - High Definition Plastics

- Improving process conditions & surface quality
- Extensive material database

**Premium Surface Finish**
Glossy, textured, or matt directly from the mold

**Fast & Efficient**
Fast and precise heat & cool management

**Thin & Complex Parts**
Improved flow length for lightweight design

**Material Versatility**
Commodity, Engineering, and High-Performance Polymers, including PCR grades

ROCTOOL
MOLDING MATTERS.

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