

ACCUCAST provides the answer for rising silica regulations and offers unexpected benefits

Hear from David Cote, General Manager of Fonderie Waterloo Inc., as he discusses the transition to utilizing ACCUCAST ceramic sand media. He highlights its significant impact on improving facility cleanliness and reducing silica levels in the foundry, while also diving into some of the additional benefits that were not expected from this transition, including enhanced efficiency and stronger molds.



Case Details

Client: Soluroc Waterloo Inc. (Fonderie Waterloo Inc.)

Location: Waterloo, Quebec

Casting Process: No Bake

How are CARBO ceramic sands being utilized in your operation?

We utilize ceramic for molding and core making at *100%*.

What led you to choosing CARBO ceramic sands for your application, and what specific goals or outcomes were you hoping to achieve in your process with using this material?

We chose ceramic sands because of health and care (CNESST) problem with silica sand. *The regulation of the silica in the air is going lower, so we had to change something to achieve it.*

CARBO

How smooth was the conversion process to CARBO ceramic sands?

Really easy conversion process. Everything was easy and we were able to remove all silica sands, enter ceramic sands, and restart production within a week.

Did you achieve your desired goal and were there any unexpected benefits?

Yes, we achieve our desired goal because the silica went down.

An unexpected benefit was that we now have *a lot less fines inside the molds*. We think it is related to the weight of the ceramic sands and the change from furane resins to phenolic urethane resins, so *we save metal per mold*.

Because the sand doesn't break down into smaller grain, we have a lot less dust in the air while cleaning the floor.

The molds are stronger, so they don't break while cooling down and we have less sand on the floor, so less cleaning to do.

We have less burning in the mold, so we have less grinding to do.

Faster cleaning in the shutblast equipment because the ceramic sands stick less on the parts after shakeout.

Would you recommend CARBO Ceramics to others in your industry?

Sure, CARBO Ceramics supplied *good help, awesome service and fast delivery*. The product is perfect for what we are doing.

