

# Case Study: Fire Restoration

Quickly and easily remove soot and smoke damage



## CASE SUMMARY

Cold Jet allowed the contract cleaner to grow his business by decreasing project costs and increasing cleaning speed.

### COST SAVINGS

This project estimated a 70% labor cost savings:

- 8 days x 8 people vs 16 days x 12 people
- At a rate of \$20/hr this is a \$20K labor savings

### IMPROVED QUALITY

Dry ice blasting provided a more complete clean than previously possible and completely eliminated the odor-causing carbon.

### AMAZING ROI

One job can net a \$10K additional profit due to labor savings and the ability to accomplish more jobs per month. The ROI of a Cold Jet system can be as little as 2-3 jobs.

### COLD JET SYSTEM

- Aero 40
- 523 SF
- 807 SL
- MS-045
- 223 SL

## The Traditional Problem

Fire and smoke not only damage surfaces and materials but also cause odor which permeates throughout structures.

Traditional cleaning methods like hand scraping are labor intensive and don't remove odor, while other methods like soda blasting create large amounts of secondary waste to be cleaned up as well.

## The Situation

Rossi Fine Italian Cuisine Restaurant in Myrtle Beach sustained a fire causing smoke and soot damage to the restaurant.

The 10,000 sq ft building had a sound deadener on the ceiling that had to be completely removed due to the smoke and odor from the fire.

Based on the space to be cleaned, traditional methods were estimated they would take the contractor 12-16 days to complete with up to 12 workers on the job due to the labor involved in hand scraping and the secondary mess to be cleaned if using soda, sand or water blasting.

## The Cold Jet Solution

The job took approximately 8 days of blasting with 3 machines and 8 people involved - about half of what was estimated by the various traditional methods.

In addition to the material removal, dry ice blasting removed the odor from the structure that other methods would not have achieved.

## Fire Damage Removal Rates

In general, dry ice blasting produces the following restoration rates:

- wood: 7-10 ft<sup>2</sup>/min
- painted metal: 5-7 ft<sup>2</sup>/min
- brick: 10+ ft<sup>2</sup>/min

## Benefits of Dry Ice Blasting

Dry ice blasting provides the following benefits for remediators:

- Eliminates sanding and grinding
- Reduces labor time and cost
- Provides a complete clean
- Access tight and confined areas.
- Clean between beams and sheathing
- Eliminates odors, complete removal of carbon containing elements
- Safer for the operator
- Reduces fatigue

## CUSTOMER COMMENTS

*"Cold Jet's equipment is bar none the best cleaning quality we can achieve. Coatings and deodorizers are used at a minimum because it eliminates 100% of the charred wood, of the carbon which houses the smell."*

**Tom Monacelli**  
Advanced Indoor Air