

# R.L. GRUNES & ASSOCIATES, INC.

## Consulting Engineers & Metallurgists

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## Forensic & Failure Analysis

A clear understanding of the cause of an accident or event can be of inestimable value in the assumption of a negotiating position or legal strategy and can prove helpful in undertaking corrective action upon the causative factor. A necessary first step to establishing causation is to determine what happened and how it occurred. Often there are incomplete or inconsistent first-hand accounts bearing upon circumstances and event sequence. Analytical consideration of physical installations, exhibits and consequences can be applied to establish a forensic model leading to a causation evaluation.

## The Firm

Since 1970 we have provided comprehensive expert services in engineering and metallurgy and have offered expert testimony in the Courts of the States of New York, Connecticut and New Jersey, as well as in the Federal Courts.

## Areas of Expertise

We offer expertise in a number of important areas, including, but not limited to:

- Machine Tools
- Motor Vehicle Accidents
- Fires & Explosions
- Ladders
- Metallurgy & Materials
- Scaffolds & Staging
- Buildings & Structures
- Construction Practice & Equipment
- Material Handling Equipment
- Elevators
- Boilers
- HVAC
- Electrical Products & Systems
- Chemical Processes & Production
- Railroad Equipment & Facilities
- Marine Components
- Pollution Analysis & Control
- Product Safety
- Code Compliance
- Corrosion
- Bicycles
- Piping & Pressure Vessels