



## CURRAN TUBE LINERS

Extending Heat Transfer Equipment Life

Revolutionize your facility's maintenance strategy with Curran's innovative tube liner solutions. Don't allow thinning tubes & failures to compromise your operations - choose the smart alternative to plugging and premature equipment replacement.

### Curran's Tube Lining Solution

Curran International offers a game-changing alternative to the cycle of plugging and replacement. Our alloy tube ID liners provide a robust solution to extend the life of your heat exchangers and fin fans. By installing full or partial length liners, we address the root cause of tube failures and significantly improve equipment longevity.



### Tube ID Liners Features & Capabilities



#### Custom Metallurgy

Liners are available in various alloys to suit your specific needs, from stainless steel to duplex, Inconel, CuNi, C276 and beyond.



#### Versatile Application

Ideal for tubes experiencing thinning, wall loss, cracking, pitting or through-wall defects.



#### Restored Performance

Curran thin-wall liners (typically 0.028" or 0.035") minimize impact on velocities and thermal heat transfer impact.



#### Expert Installation

Proprietary sizing techniques and the use of hydraulic and mechanical installations ensure the proper fit, maximum efficiency, and longevity of liners.

## Proven Tube Liner Benefits



### Mitigate Plugging

Improve unit performance and regain operational volume by opting for Curran liners instead of plugging.



### Onsite Installation

Our crews mobilize to your site to perform installations, ensuring minimal disruption for your operations.



### Cost Savings

By avoiding unit replacement costs customers achieve substantial long-term savings.

**Client sees:** "\$500,000+ Savings by installing liners instead of retubing."

## Our Liner Installation Process: From Aging To Pristine

Curran's expert tube liner installation process revitalizes aging equipment into peak efficiency. Our streamlined approach ensures minimal downtime and maximum effectiveness. Discover how our key steps can take your tubes from deteriorated to pristine condition.

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### 1. Identify & Isolate

Your team identifies and pinpoints problematic tubes in your heat exchangers or fin fans, determining the percentage of tubes needing liners.

### 2. Size & Manufacture

We accurately size the liners based on the parent tube dimensions. Then, we manufacture the custom liners to ensure a perfect fit.

### 3. Clean, Install & Expand

We thoroughly clean tube IDs using our patented grit blasting method. Custom liners are then inserted & expanded for a perfect fit, and cut and rolled to specifications.

### 4. Quality Control

Final QC checks and testing ensure each lined tube meets our exacting standards for performance and reliability.





## Frequently Asked Questions

### ▼ What types of equipment can benefit from Curran's tube liners?

Curran's tube liners are ideal for fin fans, shell and tube heat exchangers, condensers, and other tubular equipment.

### ▼ How long does the tube lining process take?

The duration varies based on the number of liners being installed, the condition, and the configuration/layout of your equipment. Our efficient process completes projects faster than full equipment replacement, but proper planning is crucial.

### ▼ What cost savings can I expect with tube liners?

By extending equipment life and avoiding premature replacements, customers often see significant long-term cost savings. The exact amount depends on your specific situation, which our experts can help evaluate.

## Some Of Our Clients



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"Discipline to  
procedure & Safety  
is our top priority."

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