

# DFNDR The world's most accurate dosing.



Surface Tech's DFNDR unit ensures accurate dosing of ACE XP Fiber into HMA during plant production. Using an automated weigh-loss system, it provides a solution that requires minimal resources and guarantees success.

### Setup is simple.

All you need is 120V power, steady 110psi air supply, and a level surface. After initial calibration, just make sure the hopper is full and update the production rate (Tons/hr) as plant rate changes.

### How it works.

The DFNDR measures ACE XP Fiber via weigh-loss system. The vibratory bowl at the front of the machine pushes fiber up and into the vacuum funnel. Every 10 seconds, a sample weight is taken. The PLC unit takes each sample and calculates a 'Flow Rate' based on the loss of material. It then compares this to a 'Target Rate' based on plant production. If the flow rate is too high, the PLC slows the bowl down, effectively decreasing the rate of dosage. If dosage is too slow, then the opposite happens. These samples are logged into an average, so you can verify the accuracy as the day goes on.

### Precision dosing everytime.

The DFNDR will automatically maintain an ideal amount of ACE XP in the vibratory bowl via the hopper, which holds one full box of ACE XP (211TEs). The hopper extension increases this to 2 boxes.

### Training included.

Onsite training and online certification programs are provided - so accuracy is guaranteed.



The DFNDR is transported in a trailer so it can set up anywhere at the plant



Hopper  
Bowl



Hopper extension

## The Surface Tech Advantage

Surface Tech is committed to developing the most advanced reinforcement solutions for asphalt, not only adding strength and durability, but improving the sustainability. Our innovative processes, technologies and products make asphalt pavements better, stronger and longer-lasting. Extensive research and development, laboratory testing and field trials have proven the Surface Tech advantage. We're paving the way to a sustainable future.